



City of Deltona

2345 Providence Blvd.
Deltona, FL 32725

Agenda

Planning and Zoning Board

Chair Tom Burbank
Vice Chair Adam Walosik
Member John Harper
Member Jose Irizarry
Member Donald Philpitt
Member Michael Putkowski
Member Stony Sixma

Wednesday, December 21, 2016

7:00 PM

Deltona Commission Chambers

1. CALL TO ORDER:

2. ROLL CALL:

3. APPROVAL OF MINUTES & AGENDA:

A. Minutes of November 16, 2016.

4. PRESENTATIONS/AWARDS/REPORTS:

5. PUBLIC FORUM:

6. OLD BUSINESS:

7. NEW BUSINESS:

A. Ordinance No. 34-2016 amending the Comprehensive Plan of the City of Deltona, by amending the Capital Improvements Element providing for the replacement of the Capital Improvement Project sheets.

8. STAFF COMMENTS:

9. BOARD/COMMITTEE MEMBERS COMMENTS:

10. ADJOURNMENT:

NOTE: If any person decides to appeal any decision made by the City Commission with respect to any matter considered at this meeting or hearing, he/she will need a record of the proceedings, and for such purpose he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based (F.S. 286.0105).

Individuals with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk, Joyce Raftery 48 hours in advance of the meeting date and time at (386) 878-8500.



City of Deltona

2345 Providence Blvd.
Deltona, FL 32725

Minutes

Planning and Zoning Board

Wednesday, November 16, 2016

7:00 PM

Deltona Commission Chambers

1. CALL TO ORDER:

The meeting was called to order at 7:00 pm.

2. ROLL CALL:

Also present: Chris Bowley, Planning and Development Services; Ron Paradise, Planning and Development Services; Joseph Ruiz, Planning and Development Services; Becky Vose, City Attorney and Kathrine Kyp, Planning and Development Services.

Present: 5 - Chair Tom Burbank
Member John Harper
Member Donald Philpitt
Member Michael Putkowski
Member Jose Irizarry

Excused: 2 - Vice Chair Adam Walosik
Member Stony Sixma

3. APPROVAL OF MINUTES & AGENDA:

A. Minutes of September 21, 2016.

Motion by Member Harper, seconded by Member Putkowski, to approve the Minutes of September 21, 2016. The motion carried by the following vote:

For: 4 - Member Harper, Member Philpitt, Member Putkowski and Member Irizarry

Abstain: 1 - Chair Burbank

4. PRESENTATIONS/AWARDS/REPORTS:

5. PUBLIC FORUM:

6. OLD BUSINESS:

7. NEW BUSINESS:

A. Ordinance No. 32-2016, 3151 Howland Blvd., RZ16-003

Mr. Paradise provided the Board with a background regarding Ordinance No. 32-2016. He stated that the application is to rezone the property from General Commercial (C-2) to Retail Commercial (C-1) to allow for a house of worship to occupy one of the suites. He noted that the proposed rezoning is consistent with the Comprehensive Plan and Staff recommends that the Planning and Zoning Board, recommend approval to the City Commission.

Discussion between the Board and Staff ensued regarding the rezoning affecting existing uses and whether it would result in non-comformity with regard to setbacks and floor area ratio. Chairman Burbank asked if they were planning to have a daycare.

Chairman Burbank opened the public hearing.

Pastor Boris W. Diaz, 1233 Bramley Ln. Deland, Florida - spoke regarding the rezoning. He explained that the church is currently in three (3) locations, Deland, Debary and Deleon Springs. The church is Santuario Las Escrituras and they are not planning to add a daycare.

John Trost, 1275 W. Granda Blvd Suite 5B, Ormond Beach, Florida - spoke on behalf of the owner and made himself available for questions.

Chairman Burbank closed the public hearing.

Member Irizzary asked if the rezoning was for one (1) suite. Mr. Paradise stated the entire parcel would be rezoned.

Motion by Member Harper, seconded by Member Putkowski, to recommend for approval, Ordinance No. 32-2016, 3151 Howland Blvd., RZ16-003. The motion carried by the following vote:

For: 5 - Chair Burbank, Member Harper, Member Philpitt, Member Putkowski and Member Irizarry

B. Ordinance No. 29-2016: Amending Chapter 102, Signs, of the City's Land Development Code

Mr. Bowley provided the Board with a summary regarding the revision history of the sign code. He explained that this revision was designed to be streamlined, professional and include quality signage, and a provision for maintenance. He stated that the Deltona Business Alliance suggested that the code include a sign package application process, which is designed to provide for additional flexibility and innovation, which can be found in Sec. 102-11 of the draft ordinance.

Discussion ensued between Chairman Burbank and Ms. Vose regarding Sec. 102-7. He

asked if the City had plans to inventory existing signs, that would be repaired or replaced. Mr. Bowley noted that there is a purpose and intent section of the sign code as well as a section for maintenance to allow ongoing economic development and beautification efforts.

Member Philpitt and Ms. Vose discussed Sec. 102-11. She explained that this section would allow business who are constrained through this code, the ability to have the Development Review Committee review a sign proposal, allowing applicant to go outside of the existing code. Chairman Burbank noted that this could be considered as a sign PUD process. Ms. Vose confirmed.

Discussion amongst the Board and Staff ensued regarding temporary signs, hand-held signs, and neon neon-like signs. Member Irizarry noted that the neon neon-like signs is vague and should be defined. Mr. Bowley stated that he would add a definition for neon neon-like signs, which has since been deleted for efficacy.

Motion by Member Philpitt, seconded by Member Putkowski, to recommend for approval, Ordinance No. 29-2016: Amending Chapter 102, Signs, of the City's Land Development Code with the addition of a definition for neonlike. The motion carried by the following vote:

For: 5 - Chair Burbank, Member Harper, Member Philpitt, Member Putkowski and Member Irizarry

C. Ordinance No. 28-2016: Amending Chapter 94, Impact Fees

Mr. Bowley provided the Board with a summary of Ordinance No. 28-2016. He stated that the City engaged Burton and Associates (Burton) to revisit the impact fees adopted in the fee schedule and the methodology to have uniform land use categories that match the Deltona land use pattern. He noted that the impact fees for fire/rescue and law enforcement were found to be comparable to local communities and the existing parks impact fee is higher than comparative communities and Burton recommends keeping the current Parks fee. The proposed transportation impact fees from Burton for some land use categories are high and may be an economic disadvantage for the City. He stated that staff performed a comparative analysis, per the direction of the City Commission, and provides the recommended impact fee schedule within the attached Ordinance No. 28-2016.

Discussion regarding Burton's proposed transportation impact fees ensued. Member Putkowski asked if the City is competitive with the surrounding cities. Mr. Bowley noted that when compared to similar type of communities, Deltona is competitive. Member Irizarry asked where the law enforcement fee goes. Discussion regarding Volusia County Sheriff's office's contract ensued.

Motion by Member Harper, seconded by Member Putkowski, to

recommend for approval, Ordinance No. 28-2016: Amending Chapter 94, Impact Fees. The motion carried by the following vote:

For: 5 - Chair Burbank, Member Harper, Member Philpitt, Member Putkowski and Member Irizarry

8. STAFF COMMENTS:

A. Discussion on Substandard Lots

Chairman Burbank spoke regarding the lots in Deltona that are constrained. He noted that when they factor in the landscape buffer, parking, and distance requirements on these lots, it makes them unbuildable. He recommended modifying the landscape buffer requirement to 10 feet or 10% of the lot depth. Mr. Bowley stated that the landscape code is currently under modification and suggested possible shared parking. Mr. Bowley discussed the difference between screening and buffering. Discussion ensued regarding screening from residential uses and the lack of available utilities.

Member Putkowski and Mr. Bowley discussed permitted stormwater management systems. Chairman Burbank noted that Port Orange allows stormwater management within the landscape buffer with a 6:1 wide slope.

9. BOARD/COMMITTEE MEMBERS COMMENTS:

Chairman Burbank welcomed Member Irizarry and the new planner, Joseph Ruiz.

10. ADJOURNMENT:

The meeting adjourned at 8:03 pm.



Staff Report

To: Planning and Zoning Board

From: Chris Bowley, AICP, Director
Planning and Development Services Department

Date: December 21, 2016

Re: Ordinance No. 34-2016 amending the Comprehensive Plan of the City of Deltona, by amending the Capital Improvements Element providing for the replacement of the Capital Improvement Project sheets.

A. Summary of Application:

Applicant: City of Deltona

Request: Amend the Comprehensive Plan of the City of Deltona, by amending the Capital Improvements Element providing for the replacement of the Capital Improvement Project sheets.

B. Background: Pursuant to s. 163.3177(3)(b) F.S., the Capital Improvements Element of the Comprehensive Plan must be reviewed and updated on an annual basis. It is recommended to send the Capital Improvements Element (CIE) Report to the Department of Economic Opportunity (DEO) when it is adopted by the City Commission each year. Staff has reviewed the current class "A" capital improvements and summarized expenditures and funds carried forward for the next five years. The City's Capital Improvements Element has been reviewed to ensure compliance with adopted level of service (LOS) standards. In collaboration with the City's Finance Department and other City Departments, adjustments have been made to update the CIE.

CONCLUSION/STAFF RECOMMENDATION: Staff requests the Planning and Zoning Board recommend the City Commission adopt the Comprehensive Plan amendments to the Capital Improvements Element including the Five-Year Schedule of Capital Improvements.

ORDINANCE NO. 34-2016

AN ORDINANCE OF THE CITY OF DELTONA, FLORIDA, AMENDING THE COMPREHENSIVE PLAN OF THE CITY OF DELTONA, BY AMENDING THE CAPITAL IMPROVEMENTS ELEMENT PROVIDING FOR THE REPLACEMENT OF THE CAPITAL IMPROVEMENT PROJECT SHEETS; FINDING CONFORMITY WITH STATE STATUTES; PROVIDING FOR SEVERABILITY; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Deltona is required to annually review and modify, as necessary, its Capital Improvements Element; and

WHEREAS, the City of Deltona has reviewed its Capital Improvements Element and determined it is necessary to update the Five Year Schedule of Capital Improvements contained therein.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COMMISSION OF THE CITY OF DELTONA, FLORIDA, as follows:

Section 1: Comprehensive Plan Amendments. The Five Year Schedule of Capital Improvements section of the Capital Improvement Element is hereby amended, as set forth in attachment "A" hereto.

Section 2: Severability. Upon a determination by a court of competent jurisdiction that a portion of this Ordinance or the Comprehensive Plan adopted hereby is void, unconstitutional, or unenforceable, all remaining portions shall remain in full force and effect.

Section 3: Effective Date. This Ordinance shall take effect immediately upon its final adoption by the City Commission.

**PASSED AND ADOPTED BY THE CITY COMMISSION OF THE CITY OF
DELTONA, FLORIDA, THIS _____ DAY OF _____ 2017.**

First Reading: _____

Advertised: _____

Second Reading: _____

JOHN C. MASIARCZYK, SR., Mayor

ATTEST:

JOYCE RAFTERY, CMC, MMC, City Clerk

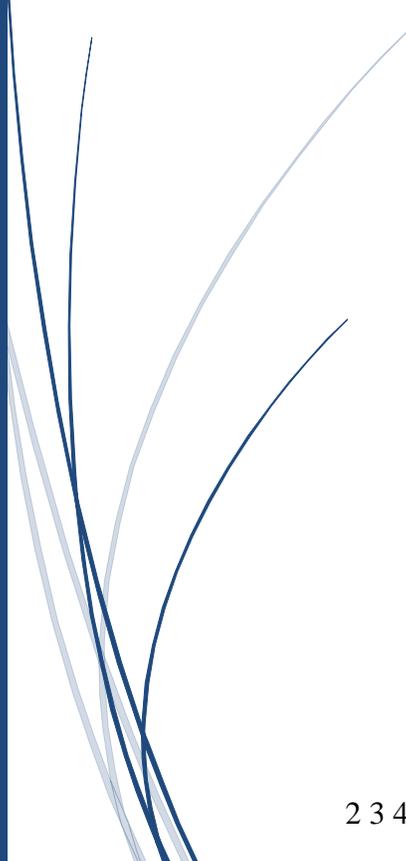
Approved as to form and legality for use
and reliance of the City of Deltona,
Florida:

GRETCHEN R.H. VOSE, City Attorney

CITY OF DELTONA

CIE REPORT

Fiscal Year 2016-2017



Planning and Development Services
2345 Providence Blvd, Deltona, FL 32725

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INTRODUCTION

The Capital Improvements Element (CIE) evaluates the capital facilities and level of service thresholds needed to support the City and implement the Comprehensive Plan.

The City's Comprehensive Plan CIE Policy CIE1-2.13 states the following: "The Five Year program of scheduled capital improvements shall be reviewed and updated annually by the City Manager. This annual review and update shall be integrated into the City's annual budget process, complete with time tables and a deadline for specific tasks in the City's operating budget process recognizing direct expenditures for capital improvements of element of the comprehensive plan. The Capital Improvements Element document shall be completed subsequent to the completion of the annual budget document."

According to the above policy, the City's Capital Improvements Element ensures compliance with adopted level of service standards for public facilities and other projected needs and services. Pursuant to State law, local governments have a degree of flexibility with regard to the management of public services. For example, the method in which traffic is managed on non-State roads is basically a decision left to the local government. However, the City of Deltona utilizes a traditional level of service (LOS) approach to ensure that capacity is available for various public services that include solid waste, park land, roads, drainage, potable water, wastewater and schools.

The most up to date population figures for the City of Deltona, promulgated by the Bureau of Economic and Business Research (BEBR), indicate that in 2016 the City had a population of 88,922. In the past, the City has used population projections adopted in 2007 as part of the Evaluation and Appraisal Report (EAR) to help determine growth rates. The 2007 population projections were generated by the Shimberg Center for Housing (Shimberg). Utilizing the EAR population projections, in 2025, the City is projected to have a population of 132,605 which is a potential over projection. This projection was based on the 2000 Census and growth rates that were derived during the real estate boom. From a historical standpoint, population growth within Deltona has been brisk. The City grew an average of 3.67% per year between 1990 and 2000. Growth continued from 2000 to 2007 at an average rate of 3.4% per year. Using population projection data illustrated in the EAR, the City is expected to grow at an average rate of 2.9% per year from present to the end of the current planning period. As has been stated, relatively high growth rates have been a norm for the City for over 17 years, but according to recent population projections, City population is leveling out. Past migration and future population projections indicate the City will still grow, just not quite as fast as it has in the past.

A review of the most recent population projections for the City prepared by the Shimberg Center for Housing indicates slower population growth rates will be the norm throughout the 2025 planning horizon, thus confirming the statement that the "City will grow, just not as fast as it has in the past." The latest Shimberg population projections were consulted as part of initial efforts to update the City Comprehensive Plan, per the next City Evaluation and Appraisal Report (EAR) process. To foreshadow future events, the City will be working on the EAR project to update the Comprehensive Plan starting in 2016. The first benchmark for the EAR is a letter of intent which will be submitted to the Florida Department of Economic Opportunity by October of 2017.

YEAR	POPULATION
2016*	88,922
2017	91,145
2018	93,424
2019	95,759
2020	98,153
2021	100,607

**Population estimates for April 1, 2016, prepared by the University of Florida, Bureau of Economic and Business Research (BEBR).*

LEVEL OF SERVICE

SECTION 1

LOS - SOLID WASTE

The City has a trash hauling contract with the firm Waste Pro. The contract extends to the end of 2019. Waste Pro is the only vendor responsible for the collection and disposal of solid waste generated from single family dwellings and municipal facilities. Commercial and other non-residential uses contract privately for trash removal. Waste Pro is also responsible for the hauling of recyclables. Recyclable materials are delivered to the Sanford Recycle and Transfer station in Sanford, FL. In the past, the City has derived income from recyclables and that money was utilized to fund college scholarships for eligible students within the City. Currently with the low price of commodities, the City has not been able to generate excess money beyond covering the cost of hauling.

City household trash and yard debris is trucked to the West Volusia County Transfer Station where it is either mulched or taken to the County Tomoka Landfill. The Tomoka Landfill complex is a regional facility and accepts trash from various entities, including most of the unincorporated and incorporated areas of Volusia County and Flagler County. The current County landfill cell, referred to as the “north cell” will last until 2021. The attached letter (**Appendix B**), obtained from Volusia County, indicates capacity exists within the various phases of the “north cell” of the Tomoka Land Fill complex to accept the Deltona solid waste stream until 2021.

Based on the fact that the City hauler is responsible for only residential trash, determining if the City has achieved its stated 8.6 pounds per capita per day LOS is limited to best available data. Research regarding waste management activities in the City reveals that the solid waste stream has slightly decreased from 2.76 to 2.72 pounds per capita per day. Also, 11% of the solid waste stream is being recycled, up from 8% last year.

The increase in recycling is interesting to note and can be explained, in part, by recent changes to the City Code regarding how household trash is managed at the single family dwelling unit level. In an effort to improve the aesthetic character of the City, the City passed regulations limiting the number and type of trashcans a single family dwelling could deploy for trash pick-up. Furthermore, all trash was required to be deposited in a trashcan with the lid closed. However, there was no limit placed on the number of recycling bins a household could put out for disposal and the City distributed recycling bins for free. In addition, education efforts associated with the implementation of the residential trash management regulations involved explaining how recycling could help preserve trashcan capacity. While the goal of the trash management regulations was to improve aesthetics, a very welcome development was increased recycling activity. The decrease in the per capita, per day solid waste stream is attributed to almost 900,000 pounds less yard waste collected in fiscal year 2015-2016 compared to fiscal year 2014-2015. The significant reduction of yard waste occurred notwithstanding the City, under the above mentioned changes to the residential trash management regulations, allowed more yard trash per household to be picked up on a weekly schedule. The reduction in yard waste is probably because the 2016 weather pattern was drier than in 2015.

Combining the known residential and unknown non-residential trash generation rates, the City will not achieve the 8.6 pounds per day level of service threshold articulated by the Comprehensive Plan. However, in light of the fact the solid waste stream originating from the City is properly managed, the idea of attempting to achieve what may be a high LOS standard is somewhat ludicrous. Less trash generation and more recycling is generally considered to be a positive attribute. The 8.6 pounds per day per capita cited in the City Plan was carried over from the County Comprehensive Plan. Within unincorporated Volusia County, there are many different land uses and each is associated with different trash generation rates. As has been mentioned, Deltona is comprised mostly of residential uses. Therefore, the City will continue to maintain the existing LOS even though in the projected CIE timeframe, the City will not meet the LOS due to other generation rates.

Waste management costs have been stable over the last year. The lower price of fuel has made hauling cheaper. Currently, waste management costs each dwelling \$14.50 per month. The charge is assessed on the homeowner tax bill and paid yearly. There are provisions in the contract for slight increases. Regardless of any cost increases consistent with the contract, the cost of trash pick-up will continue to be paid directly by homeowners and trash will be managed accordingly.

The first table below (*table 3.1*) illustrates the existing Comprehensive Plan solid waste stream LOS. Table 3.2 serves as a 5 year projection of the solid waste stream as population within the City grows.

Table 3.1

FACILITY TYPE	ADOPTED LOS	SOURCE
Solid Waste	8.6 pounds per capita per day	Infrastructure Element Objective I3-SW3, Policy I3-SW3.1

Table 3.2

FISCAL YEAR	SOLID WASTE POUNDS PER YEAR	RECYCLING POUNDS PER YEAR	YARD WASTE POUNDS PER YEAR	TOTAL POUNDS	POUNDS PER CAPITA PER DAY
2015-2016	67,779,580.00	7,339,760.00	13,200,160.00	88,319,500.00	2.72
2016-2017	69,474,031.39	7,523,249.87	13,530,156.58	90,527,437.84	2.72
2017-2018	71,211,168.01	7,711,362.07	13,868,466.16	92,790,996.24	2.72
2018-2019	72,990,989.87	7,904,096.60	14,215,088.75	95,110,175.22	2.72
2019-2020	74,815,783.67	8,101,701.08	14,570,469.68	97,487,954.43	2.72
2020-2021	76,686,311.66	8,304,258.05	14,934,757.40	99,925,327.10	2.72

LOS - PARKS AND RECREATION

The City of Deltona Comprehensive Plan has established a minimum level of service for developed park and recreational lands. The LOS is expressed as developed acres per 1,000 residents. In addition, the LOS is programmed to incrementally increase every year throughout the planning horizon. In 2015, the City Park and Recreation LOS increased to 3.00 developed acres per thousand residents. The City has 665.9 acres of developed park land available for City residents. The City has another 309.9 acres of undeveloped land available for park use.

The City Comprehensive Plan articulates the following criteria/definition with regard to determining if a park is considered developed: “The term developed park and recreational land shall mean that typically 50% of the total project site is usable for passive or active recreational purposes. For individual park or open space sites that amount of developed land will vary due to the purpose of the park site, or environmental, site and social conditions.”

“Developed” parks within the City range in size from the 360-acre Lyonia Preserve to small “pocket” parks that serve individual neighborhoods. The aforementioned Lyonia Preserve is a passive park that is developed and made accessible with a network of interpretive trails and is managed by Volusia County. Other “developed” parks in the City include active uses, such as ball fields, play grounds, etc. The active parks are managed by the City of Deltona.

Table 4.1 indicates the Park Level of Service (LOS). Table 4.2 illustrates that the City has met the level of service threshold articulated within the Comprehensive Plan.

Table 4.1

FACILITY TYPE	BY YEAR	ADOPTED LOS*	INCREMENTAL INCREASE**	SOURCE
Parks and Recreation	2010	2.60	69.63 acres (2005-2010)	Parks and Recreation Element Objective PR1-1 Policy PR1-1.2
	2015	3.00	72.09 + 7.61 acres (2010 - 2015)	
	2025	3.50	93.84 acres by & dev. (2015-2025)	

Table 4.2

YEAR	POPULATION	Total Acreage Developed Parks	Achieved LOS	Surplus	Adopted LOS	Total Acreage Developed & Undeveloped Parks
2016 ¹	88,922	666	7.49	355.05	3.05	975.90
2017	91,145	666	7.31	383.45	3.10	975.90
2018	93,424	666	7.13	371.71	3.15	975.90
2019	95,759	666	6.95	359.57	3.20	975.90
2020	98,153	666	6.79	347.00	3.25	975.90
2021	100,607	666	6.62	334.00	3.30	975.90

*Developed Acres per 1000 Residents **Additional Needed Developed Park Land

¹Population estimates for April 1, 2016, prepared by the University of Florida, Bureau of Economic and Business Research (BEBR) 2016 - 2021 population projections based on a growth average of 2.50% per year.

POTABLE WATER - RESIDENTIAL UNITS

The City of Deltona Comprehensive Plan, Infrastructure Element (Potable Water) policy II-PW1.1, states: “The City of Deltona adopts a level of service standard providing for an annual average daily volume of 300 gallons of potable water per equivalent residential unit.” Water use in the City has gone up from 186 gallons of water per ERU per day during the last CIE update to 190 gallons of water per ERU per day. The increase in water use was probably driven by irrigation activities throughout the year in response to dry conditions. The City has been providing a level of service below the cited 300 gallons per day per ERU. Less water usage is considered a positive development and the City has the capacity to provide 190 gallons of water per day per ERU. While the City does have adequate water capacity and an ability to serve, the City continues to invest in improving the potable water system. The City is in the process of upgrading wells and installing new and sometimes larger pipes. A water line along a segment of the Normandy corridor is being upsized.

The City plans to offset the use of potable water by making reuse water more available. Therefore, the City has finished work on a complex of stormwater/wastewater percolation ponds on 32 acres of a 122-acre site owned by the City. The concept, known as rapid infiltration basins (RIB), involves the percolation of treated wastewater to replenish the aquifer and the basins are, also supply an expanded water reuse network within the City.

To further facilitate the distribution of reuse water, the City is continuing to activate City reuse water infrastructure within several newer subdivisions. The City is also making reuse water interconnections with other service providers in the area including Volusia County, Orange City, and Deland. To serve one house with reuse water, the wastewater flow from approximately four (4) to six (6) homes is needed. Therefore, for water reuse in the City to be reliable and accepted on a large scale, the availability of reuse water needs to be constant. To augment City reuse capacity, the City will partner with the St. Johns River Water Management to withdraw surface water from Lake Monroe. Expanded water reuse will result in more potable water conservation.

The City is also researching the viability of obtaining groundwater resources from areas outside of the City through partnerships. However, such partnerships involve various public and private parties and negotiating agreement terms can be protracted. Finally, the City will explore the feasibility of treating brackish water from the lower Floridan Aquifer. The City has obtained permitting to drill an experimental well to determine the feasibility of extracting and treating this brackish water source. Funding for these water activities come from, impact fees, operating surplus, and a utility bond. In the longer term, grants are another funding possibility.

FACILITY TYPE	ADOPTED LOS	SOURCE
Potable Water	300 gallons of potable water per equivalent residential unit (annual average daily volume)	Infrastructure Element Objective I1-PW1 Policy I1-PW1.1

FISCAL YEAR	RESIDENTIAL UNITS	GALLONS OF POTABLE WATER PER YEAR	GALLONS OF POTABLE WATER PER EQUIVALENT RESIDENTIAL UNIT (annual average daily volume)
2015-2016*	31,350	2,170,591,466	190
2016-2017	32,552	2,257,467,578	190
2017-2018	33,366	2,313,904,267	190
2018-2019	34,200	2,371,751,874	190
2019-2020	35,055	2,431,045,671	190
2020-2021	35,931	2,491,821,812	190

Projections for the potable water level of service for the fiscal years 2014-2020 have been determined by the application of the following formula:

$$\frac{\text{Gallons of potable water per year}}{\text{Residential units}} = \frac{\text{Gallons of potable water per residential unit per year}}{365 \text{ days}} = \text{Gallons of potable water per equivalent residential unit (annual average daily volume)}$$

About 4,000 acres of the City of Deltona is served by the County Deltona North water and sewer system. The above referenced City level of service of 300 gallons per equivalent residential unit (ERU) is identical to the County goal for servicing water users within the Deltona North service area. According to County records, water usage within the County’s Deltona North system is currently 392 gallons per day per ERU. This is much higher than other parts of the City (190 per day per ERU). The Deltona North system services 1542 water connections within the City. Deltona North does service newer subdivisions within the City that have had some residential growth. In addition, the homes in the Deltona North service area within Deltona tend to be slightly larger than the houses in older parts of the City. Also, more importance is placed on landscaping within these subdivisions, as evidenced by some subdivisions being subject to landscaping covenants. The County has 1.5 million gallons of permitted water capacity and has the ability to serve existing and future development within the service area. The County has expanded reclaimed water line coverage in the Deltona North service area. Therefore, there is anticipation that use of reclaimed water will increase and help limit potable water use within the service area.

 *Information provided by Deltona Utilities as of September 30, 2016. Projections for fiscal years 2016-2021 is based on population projections.

LOS-SCHOOLS

Pursuant to the County Charter, the City of Deltona is a party to an interlocal agreement with the Volusia County School District and maintains a Public School Facilities Element (PSFE). The interlocal agreement and PSFE establishes school concurrency for the City, and accomplish the following objectives:

- 1) Ensures the City will coordinate with the School Board to provide consistency between the Comprehensive Plan and public school facilities.
- 2) Requires the City to coordinate with the School Board with regard to the location of new schools.
- 3) Establishes design and location provisions to ensure land use compatibility and to effectively incorporate schools into the greater community.
- 4) Plans and manages residential development, so that adequate school capacity is available to serve development.
- 5) Establishes concurrency management standards.
- 6) Creates school concurrency service areas.
- 7) Provides for the implementation of a school concurrency management system.
- 8) Establishes provisions for financially feasible mitigation alternatives to address school capacity matters.
- 9) Implements adopted level of service standards.

The City of Deltona is currently served by ten elementary, three middle, and three high schools. Most of these school facilities are located within the municipal limits of Deltona. Information provided by the School Board illustrates the five (5) year building, expansion and maintenance budget for schools within the County (**Appendix C**). Also, attached as **Appendix D**, is a school facility level of service chart for the southwestern section of Volusia County. The subject southwest area includes all of incorporated Deltona and other unincorporated areas adjacent to the City.

The Volusia County School District is slated to replace Deltona Middle School in the next five years. The replacement of Deltona Middle will be an approximately \$50 million dollar project and will result in extra work station capacity. However, the increase of work station capacity is unknown and will be determined during the school design phase. Currently, the only school serving Deltona forecasted to potentially be over capacity is Timbercrest Elementary. The Timbercrest Elementary projection reflects changes the School District has made to special programs such as the gifted program which is anticipated to increase enrollment at the school. The School District will continue to monitor enrollment trends and analyze alternatives before addressing this potential overcrowding.

LOS – TRANSPORTATION

The City of Deltona encompasses approximately 41 square miles and has over 450 linear miles of streets and roadways. Streets and roadways, and sidewalks within the City fall under the maintenance and improvement responsibility of the City, County of Volusia, or the State of Florida. VOTRAN provides mass transit within the City, in the form of bus and shuttle routes.

City transportation improvements within the City are funded by impact fees, transportation bond proceeds, local option gas tax disbursements, grants and through other sources, such as interest. The City recently refinanced a transportation bond to provide another approximately \$18 million for transportation improvements. Some of the \$18 million will be for road resurfacing. In fact, the City has earmarked \$856,000 for road resurfacing. The City is also proposing a reconstruction of a segment of Normandy Blvd., a City thoroughfare. The road base for the subject segment of Normandy Blvd. has failed. Capacity oriented projects include the improvements to intersections. The costs of these projects will be significantly offset by grants obtained through the River to Sea Transportation Planning Organization (TPO). The intersections proposed to be improved include the junction of Catalina Blvd. and Howland Blvd. (southbound right turn lane) Tivoli Drive and Providence Blvd. (eastbound turn lane additions and median operations) and Tivoli Drive and Saxon Blvd. (westbound and eastbound turn lanes and related restriping). In addition, the City continues to expand the sidewalk system to encourage safe pedestrian access to goods and services and provide an alternate mode of transportation. This fiscal year, the City has budgeted over \$1 million for sidewalk expansion. Most of the sidewalk expansion projects will be associated with school sites throughout the City.

The City did update traffic counts for City maintained thoroughfares in the spring of 2015. Traffic counts on City thoroughfares included as part of the County roadway system are performed by the County. The latest County traffic counts are from 2015. The most up to date traffic counts will be used for concurrency determinations and to guide the expenditures of public funds in the most efficient and effective manner.

The LOS for roadways is articulated by the City Comprehensive Plan as follows:

Policy T1-4.3

Unless a thoroughfare is designated separately within the LOS Roadway Segment Table of this document for a level of service standard, the City of Deltona shall establish the following PM peak hour level of service standards:

<u>Functional Classification</u>	<u>Acceptable Standard</u>
I-4	As determined by FDOT
Arterial	E
Collector	E
Local	D

Policy T1-4.4

Roadway level of service thresholds shall be defined consistent with the FDOT Quality/Level of Service Handbook (A.K.A. Look up tables).

2015 City and 2015 County traffic counts (**Appendix F**) for thoroughfare roadways in the City are attached which have been used for this CIE update.

City will continue to maintain an acceptable LOS on City roads with the limited resources available. A concurrency spreadsheet is attached as Appendix E. The spreadsheet indicates that only 6% of the City roadway segments monitored by the City and County are currently operating below an acceptable level of service.

LOS – STORMWATER

The City's Comprehensive Plan articulates a stormwater level of service in the terms of development thresholds. The stormwater LOS is as follows:

Policy I4-STW1.3

All land use and development approval decisions which impact water resources in Deltona shall conform to the comprehensive surface and groundwater watershed management plan, when approved by the City Commission.

Level of Service for Storm Water Quantity and Quality:

- a. ***Closed Basin LOS:*** *The City will establish a Level of Service design standard in closed drainage basins as follows: All development shall meet the minimum volume of retention equivalent to one-half inch of depth over the entire project area and the discharge hydrograph produced for the developed or redeveloped site shall not exceed, in terms of peak flow and total volume, the hydrograph produced by conditions existing before development or redevelopment for a 24 hour, 100 year frequency storm.*
- b. ***Basins with Outfall LOS:*** *The City will establish a Level of Service design standard in non-closed basins as follows: All development shall meet the minimum volume of retention equivalent to one-half inch of depth over the entire project area and the discharge hydrograph produced for the developed or redeveloped site shall not exceed, in terms of peak flow and total volume, the hydrograph produced by conditions existing before development or redevelopment for a 24 hour, 25 year frequency storm.*

The above referenced policy establishes a specific LOS for both closed basins and basins with outfalls. Basins are treated differently to recognize local drainage conditions. In Deltona and much of west Volusia County, stormwater tends to be more difficult to manage within closed basin areas. Therefore, in general, development within closed basins is required to afford more retention compared to development within basin areas that have outfalls. Implementation of the stormwater LOS is performed during the site plan review process. Actual stormwater infrastructure includes, but is not limited to, retention areas, swales, pipes, etc. and such infrastructure is designed/constructed based on the proposed impervious surfaces, soil characteristics, slopes, etc. Finally, the City does periodically inspect existing stormwater facilities to ensure drainage systems are maintained and function appropriately.

For recent and new development, the stormwater LOS has been implemented. However, much of the City was platted and developed before contemporary drainage regulation. While much of the City is associated with sandy, very well drained soils, drainage has always been a City concern. Confronted with limited drainage infrastructure and a development history that predates current stormwater requirements, the City continues to retrofit areas with appropriate stormwater management facilities. To fund this activity, the City in 2002, passed a stormwater utility assessment. The fee collections have been used to maintain and create stormwater facilities throughout the City. In 2015, the stormwater fees were increased to \$108 per ERU from \$76.11 per ERU to help cover the costs of stormwater management within the City. The information on pages 31 through 39 of this document illustrates City capital drainage projects, expenditures, and funding sources.

LOS–WASTEWATER

Wastewater within the City is mostly managed by individual, on-site waste water management systems (septic tanks). However, the City does provide wastewater treatment for a limited area of the City. The City currently has approximately 80 miles of pipe and services over 6,000 connections (both residential and non-residential). The City currently has two wastewater treatment plants utilized to manage wastewater. After treatment, wastewater is allowed to percolate, used for golf course irrigation, or used by home owners that are served by active reuse water lines. The level of service for wastewater is illustrated in the following policy:

Policy I2-SSI.1

The City of Deltona adopts a level of service standard providing for an annual average daily volume of 284 gallons of domestic wastewater per equivalent residential unit. Projected flow for commercial, industrial, and institutional land uses will be calculated utilizing Deltona Water equivalent residential unit factors for water and wastewater service as illustrated in City land development regulations.

The subject average daily 284 gallons of domestic wastewater per day LOS was carried over to the City Comprehensive Plan from the Volusia County Comprehensive Plan. The 284 gallon per day LOS was generated by averaging the flow rates of County utility facilities. The flow rate data was predicated on information gleaned in the late 1980s. The City's 5,280 residential users, as per the last CIE update, generated an average of 132 gallons a day per household; much less than the 284 gallons LOS. For the last fiscal year the wastewater generation rates increased to 141 gallons per day per ERU. County information for the Deltona North service area indicates the average wastewater flow has also increased from 219 to 290 gallons per day per household.

This fiscal cycle wastewater flows have slight decreased. In the past, the reduction in wastewater flow within the City could be attributed to conservation measures such as the inclined rate structure, low flow plumbing fixtures/appliances, and conservation oriented awareness with regard to water usage. However, the slight reduction of wastewater flow may represent adherence to water conservation measures. Factoring in all demands on the existing City wastewater plant and the permitted capacity of the plant, the City has over 500,000 gallons of additional permitted wastewater treatment capacity per day available. There are over 6,000 wastewater connections served by Deltona Utilities and the City presently has capacity to serve some new development and redevelopment at present wastewater flow rates. The table attached as **Appendix G** illustrates City wastewater treatment activity from October 2015 to September 2016.

To promote economic development and provide an alternative to septic systems, the City has been interested in expanding its wastewater service capacity. Therefore, the City has built a new, state of the art, wastewater plant. The first phase of the new wastewater treatment plant came on line in May of 2016. The new treatment plant currently can process 1.5 million gallons of wastewater per day. There is additional capacity at the new wastewater plant available which can be phased in as needed. At full capacity, the plant will be able to treat 4.5 plus million gallons of water per day. The plant is envisioned to treat wastewater originating from new development planned in the area and existing development. In addition, capacity from the new plant has made available greater capacity at the existing Fisher wastewater plant. Expanded capacity at the existing plant will be used for redevelopment activity and extending sewer service to areas that have experienced flooding in the past and/or are associated with environmentally sensitive areas (lakes/floodplains). An example of promoting redevelopment through the extension of wastewater is the Saxon Blvd. sewer retrofit. This project involves the installation of sewer lines within an area that the City has for many years planned for commercial development. The commercial area is associated with the segment of Saxon Blvd. located between I-4 and the Saxon Blvd./Normandy Blvd. intersection. However, the pace of commercial development along the subject segment of Saxon Blvd. has been slow, and the absence of central sewer has contributed to a lack of commercial development. The City has generated

construction plans and obtained permits for the installation of sewer lines to plumb this strategic corridor. The cost to construct the sewer infrastructure is estimated to be about \$2 million. The \$2 million has not been yet budgeted.

The City has finished work on a series of percolation ponds consisting of 32 acres of land located on a 122 acre site owned by the City. The ponds accept treated wastewater from both the existing water treatment plant and the new water treatment plant. In addition, stormwater is mixed with treated wastewater. The intent of the pond system is to enhance water recharge to the aquifer. The City will utilize water in the ponds to support an expanded water reuse system within the City. This fiscal year the City has funded the connection of reuse water to two newer subdivisions within the City.

Over 4,000 acres of the City is served by the County Deltona North wastewater system. Average daily flows generated from the incorporated portion of the Deltona North service area equates to 310,000 gallons per day. All wastewater flows treated at the Deltona North sewer system are generated from the City. The County plant has the capacity to treat 0.600 million gallons of wastewater per day. The average wastewater flow per equivalent residential unit is less (265 gallons per day) than 284 gallons per day LOS illustrated in above cited policy I2-SS1.1. Based on wastewater plant capacity and flow rates, there will be enough capacity to meet the wastewater needs into the future. There are 795 wastewater connections within the Deltona North service area.

CAPITAL IMPROVEMENTS
PROJECTS

SECTION 2

POTABLE WATER

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	FY 2020-2021	Total
46001	Well Rehabs	\$200,000	\$0	\$0	\$0	\$0	\$200,000
41009	Alternative Water Supply (West Volusia AWS)	\$150,000	\$0	\$0	\$0	\$0	\$150,000
640500A	Water Meters & Related Materials	\$50,000	\$0	\$0	\$0	\$0	\$50,000
41016	Magdalena Well	\$600,000	\$0	\$0	\$0	\$0	\$600,000
43017	Magdalena/Saxon Interconnect	\$575,000	\$0	\$0	\$0	\$0	\$575,000
640500B	Retirement Meters	\$60,000	\$0	\$0	\$0	\$0	\$60,000
42016	Wellington WTP Water Main Upgrade	\$600,000	\$0	\$0	\$0	\$0	\$600,000
45013	High Service Pump Upgrades	\$425,000	\$0	\$0	\$0	\$0	\$425,000
41017	LFA Treatment Plant & Well Design (AWS)	\$275,000	\$0	\$0	\$0	\$0	\$275,000
46022	Automation of interconnect with Volusia County at Normandy Blvd.	\$150,000	\$0	\$0	\$0	\$0	\$150,000
42017	E. Normandy (Saxon-Providence) 16' Water Main Improvements	\$100,000	\$0	\$0	\$0	\$0	\$100,000
46901	Water Main Replacements-Phase 5	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total Projects Expenditures		\$3,685,000	\$0	\$0	\$0	\$0	\$3,685,000

Revenue Source	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	FY 2020-2021	Total
Drawdown of Fund Balance	\$3,421,000	\$0	\$0	\$0	\$0	\$3,421,000
Impact Fees	\$264,000	\$0	\$0	\$0	\$0	\$264,000
Total Revenues	\$3,685,000	\$0	\$0	\$0	\$0	\$3,685,000

PROJECT NAME: Well Rehabs
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 46001
POLICY NUMBER: I1-PW1.2

PROJECT DESCRIPTION

The public supply wells produce drinking water for the City. Failure to rehab and maintain operational continuity would affect public health. Providing maintenance also allows the utility to maintain production levels from the wells. Inspection and maintenance of existing wells is cost effective compared to the costs of relocating or requesting a replacement well through the water management district.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Total	\$200,000	\$0	\$0	\$0	\$0	\$200,000

PROJECT NAME: Alternative Water Supply (West Volusia AWS)
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 41009
POLICY NUMBER: I1-PW2.5

PROJECT DESCRIPTION

There is not enough water availability for current or future demands. Reductions in groundwater allocations by the Water Management District are forcing this capital expense. This is an on-going project with potential costs of a very large magnitude.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000

PROJECT NAME: Water Meters and Related Materials

PROJECT NUMBER: 640500A

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.6

PROJECT DESCRIPTION

This is an annually recurring project at various locations. All potable water must be registered and accounted for in order to be in compliance with FAC 62-555. In order to register all potable water, all service lines must be metered. Additionally, this will ensure that all water usage is being accounted for and that revenue is being properly billed and monitored.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	\$50,000	\$0	\$0	\$0	\$0	\$50,000

PROJECT NAME: Magdalena Well

PROJECT NUMBER: 41016

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.2

PROJECT DESCRIPTION

There is a need for an additional well at the City’s Magdalena well site. With the recent completion of the ground storage tank, the additional well will ensure that an adequate supply of water is available during peak demand times. This well will increase operational continuity as related to maintaining water pressure for public health and/or fire protection. The scope of this project covers engineering, design and permitting. The construction phase of this project will begin in FY 16/17.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$600,000	\$0	\$0	\$0	\$0	\$600,000
Total	\$600,000	\$0	\$0	\$0	\$0	\$600,000

PROJECT NAME: Magdalena/Saxon Interconnect

PROJECT NUMBER: 43017

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.12

PROJECT DESCRIPTION

The interconnect between Plant 16 and Plant 7 is needed to supply the Plant 16 storage tank. Currently, water demand can drain down the tank faster than the existing well can supply water. The facility could run out of water during a heavy demand cycle such as when firefighting. This well will increase operational continuity as related to maintaining water pressure for public health and/or fire protection.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$575,000	\$0	\$0	\$0	\$0	\$575,000
Total	\$575,000	\$0	\$0	\$0	\$0	\$575,000

PROJECT NAME: Retirement Meters

PROJECT NUMBER: 64050B

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.6

PROJECT DESCRIPTION

This is an annually recurring project at various locations. The City is required to retire meters after a specified period of time in order to remain in compliance with FAC 62-555. Retiring meters ensures proper accountability of consumption and ensures that the flow is registered accurately.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$60,000	\$0	\$0	\$0	\$0	\$60,000
Total	\$60,000	\$0	\$0	\$0	\$0	\$60,000

PROJECT NAME: Wellington WTP Watermain Upgrade

PROJECT NUMBER: 42016

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW2

PROJECT DESCRIPTION

The primary watermain leaving the Wellington WTP needs to be replaced. This project will include the engineering, design and permitting with construction anticipated to commence in FY 16/17.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$600,000	\$0	\$0	\$0	\$0	\$600,000
Total	\$600,000	\$0	\$0	\$0	\$0	\$600,000

PROJECT NAME: High Service Pump Upgrades

PROJECT NUMBER: 45013

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW2

PROJECT DESCRIPTION

High service pumping facilities at the Lombardy, Sagamore, and Courtland 8 Water Treatment Plants are in need of upgrades. The scope of this project includes engineering and permitting as well as construction of improvements at the Sagamore Water Treatment Plant.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$425,000	\$0	\$0	\$0	\$0	\$425,000
Total	\$425,000	\$0	\$0	\$0	\$0	\$425,000

PROJECT NAME: LFA Treatment Plant & Well Design (AWS)

PROJECT NUMBER: 41017

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

The scope of this project includes design and permitting of treatment facilities for Lower Floridan Aquifer (LFA) water sources.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$275,000	\$0	\$0	\$0	\$0	\$275,000
Total	\$275,000	\$0	\$0	\$0	\$0	\$275,000

PROJECT NAME: Automation of Interconnect with Volusia County at Normandy Blvd.

PROJECT NUMBER: 46022

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This interconnect is not currently automated and must be opened manually. The installation of an automated system will take place this fiscal year. This project is necessary in order to ensure adequate fire flows and fire safety protection in the Deltona North area which is currently serviced by Volusia County Utilities.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000

PROJECT NAME: E. Normandy (Saxon – Providence)
 16” Water Main Improvements

PROJECT NUMBER: 42017

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Due to the anticipated roadway project on this portion of E. Normandy Boulevard, the current utilities need to be relocated. This phase will consist of the design and permitting with construction anticipated to take place in FY 17/18.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000

PROJECT NAME: Water Main Replacements – Phase 5

PROJECT NUMBER: 46901

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This is a recurring project at various locations. Water main failures can result in an interruption in service, impact public health as well as have detrimental effects on fire protection. In some instances, the mains are increased in size to accommodate the installation of fire hydrants in the surrounding areas. The benefit of reducing the possibility of loss of service, improving reliability and fire protection to residents should exceed anticipated costs. FY 16/17 costs will include the design, permitting and partial construction of Phase 5.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$236,000	\$0	\$0	\$0	\$0	\$236,000
Impact Fees	\$264,000	\$0	\$0	\$0	\$0	\$264,000
Total	\$500,000	\$0	\$0	\$0	\$0	\$500,000

TRANSPORTATION

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	FY 2020-2021	Total
631021	Road Resurfacing	\$ 856,000	\$3,250,000	\$2,500,000	\$2,500,000	\$2,500,000	\$11,606,000
33066	E. Normandy Blvd (Farrington Dr. to Quincy Ave.)	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
33068	Catalina Blvd/ Howland Blvd. Intersection Improvements	\$450,000	\$0	\$0	\$0	\$0	\$450,000
33069	Tivoli Dr. Intersection Improvements	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000
631001	Sidewalks	\$1,036,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,036,000
Total Projects Expenditures		\$4,642,000	\$4,250,000	\$3,500,000	\$3,500,000	\$3,500,000	\$19,392,000

Revenue Source	FY 2016/2017	FY 2017/2018	FY 2018/2019	FY 2019/2020	FY 2020/2021	Total
Operating Surplus	\$442,300	\$623,000	\$605,000	\$592,000	\$576,000	\$2,838,300
Drawdown of Fund Balance	\$3,892,200	\$3,477,000	\$2,745,000	\$2,758,000	\$2,774,000	\$15,646,200
Impact Fees	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Grants	\$157,500	\$0	\$0	\$0	\$0	\$157,500
Total Revenues	\$4,642,000	\$4,250,000	\$3,500,000	\$3,500,000	\$3,500,000	\$19,392,000

PROJECT NAME: Road Resurfacing and Striping

PROJECT NUMBER: 631021

PLAN ELEMENT: Transportation

POLICY NUMBER: T1-1.9

PROJECT DESCRIPTION

The consequences resulting from not funding road resurfacing would include undue wear and deterioration on the roadway infrastructure, a tremendous safety and liability issue from increased accidents and a cost increase in repairs and/or complete reconstruction of the roadway at a later date. Resurfacing greatly reduces the hazards and threats to public safety. By restoring rough, damaged and deteriorating roadways to a like-new condition allows the general public to travel more comfortably, safely, and confidently. Road Resurfacing includes putting thermoplastic striping to replace the temporary paint that is initially laid down when a road is resurfaced. Road resurfacing in the FY 14/15 budget is being funded by a transfer from the General Fund.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$442,300	\$623,000	\$605,000	\$592,000	\$576,000	\$2,838,300
Drawdown of Fund Balance	\$413,700	\$2,627,000	\$1,895,000	\$1,908,000	\$1,924,000	\$8,767,700
Total	\$856,000	\$3,250,000	\$2,500,000	\$2,500,000	\$2,500,000	\$11,606,000

PROJECT NAME: E. Normandy Blvd. (Farrington Dr. to Quincy Ave.)

PROJECT NUMBER: 33066

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

East Normandy is a main thoroughfare and has deteriorated over the last several years and engineering investigation has determined that a rebuild is required rather than repaving. This project is part of the City's overall road widening plan and the condition of this road has been monitored for several years.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
Total	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000

PROJECT NAME: Catalina Blvd./Howland Blvd. Intersection Improvements **PROJECT NUMBER:** 33068

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The project will be constructed in an effort to improve the flow of traffic in this area. This project includes the installation of turn lanes and signalization improvements.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Total	\$450,000	\$0	\$0	\$0	\$0	\$450,000

PROJECT NAME: Tivoli Dr. Intersection Improvements

PROJECT NUMBER: 33069

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Improvements will be made to the intersections at Tivoli and Providence Blvd. as well as Tivoli and Saxon Blvd. Improvements will include additional lanes as well as improvements to the signalization at both intersections.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$792,500	\$0	\$0	\$0	\$0	\$792,500
Grants	\$157,500	\$0	\$0	\$0	\$0	\$157,500
Impact Fees	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000

PROJECT NAME: Sidewalks

PROJECT NUMBER: 631001

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The City has an on-going program to add sidewalks throughout the City. The current policy is to install sidewalks within ½ mile of elementary schools and on collector roadways.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$1,036,000	\$850,000	\$850,000	\$850,000	\$850,000	\$4,436,000
Impact Fees	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$600,000
Total	\$1,036,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,036,000

**STORMWATER
CAPITAL IMPROVEMENT PROJECTS SUMMARY**

Project No.	Project	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	FY 2020/2021	Total
650100	Drainage Pipe Rehab	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
29239	Brickell Dr. Drainage Improvements	\$244,600	\$59,300	\$0	\$0	\$0	\$303,900
21100	Monterey Dr. Drainage Improvements	\$0	\$0	\$225,000	\$0	\$0	\$225,000
21114	Lake Fieldstone to Briarwood Outfall Improvements	\$320,000	\$200,000	\$0	\$0	\$0	\$520,000
21102	Briarwood Lake Ditch Restoration	\$75,000	\$0	\$0	\$0	\$0	\$75,000
24223	Wakefield Circle	\$75,000	\$0	\$0	\$0	\$0	\$75,000
28240	Treadway Dr. & Etta Terr. Drainage Improvements	\$15,000	\$0	\$0	\$0	\$0	\$15,000
28241	Beal St. Drainage Improvements (2841)	\$32,000	\$0	\$0	\$0	\$0	\$32,000
21115	Azora Dr. Drainage Improvements (1191/1198)	\$30,000	\$0	\$0	\$0	\$0	\$30,000
28242	Roland Dr. Drainage Pipe Replacement (3259)	\$12,500	\$0	\$0	\$0	\$0	\$12,500
27230	W. Parkton Dr. & Jeffers Dr. Drainage Improvements	\$20,000	\$0	\$0	\$0	\$0	\$20,000
28243	Newmark Dr. & Copperfield Ave. Drainage Improvements	\$8,000	\$0	\$0	\$0	\$0	\$8,000
28244	Comstock Ave. Drainage Improvements (656)	\$8,000	\$0	\$0	\$0	\$0	\$8,000
24224	Section Line Trail Phase II Drainage Improvements	\$9,500	\$0	\$0	\$0	\$0	\$9,500
24225	Tivoli/Wheeling Ponds	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Total Projects Expenditures		\$1,019,600	\$409,300	\$375,000	\$150,000	\$150,000	\$2,103,900

Revenue Source	FY 2016/2017	FY 2017/18	FY 2018/2019	FY 2019/2020	FY 2020/2021	Total
Drawdown of Fund Balance	\$0	\$114,000	\$375,000	\$0	\$150,000	\$639,000
Operating Surplus	\$775,000	\$236,000	\$0	\$150,000	\$0	\$1,161,000
Grants	\$244,600	\$59,300	\$0	\$0	\$0	\$303,900
Total Revenues	\$1,019,600	\$409,300	\$375,000	\$150,000	\$150,000	\$2,103,900

PROJECT NAME: Drainage Pipe Rehab.
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 650100
POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The City has several stormwater pipe runs that require lining. These runs are in areas where digging them up would jeopardize structures on private property. If we do not address these failures, there could be severe consequences when the rainy season begins.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$150,000	\$150,000	\$0	\$150,000	\$0	\$450,000
Drawdown of Fund Balance	\$0	\$0	\$150,000	\$0	\$150,000	\$300,000
Total	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000

PROJECT NAME: Brickell Dr. Drainage Improvements
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 29239
POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The scope of this project covers construction of drainage improvements for Brickell Drive. This project will treat stormwater prior to it being discharged into downstream waters. Grant money of a 60 percent match is pending final approval from the Environmental Protection Agency.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Grants	\$244,600	\$59,300	\$0	\$0	\$0	\$303,900
Total	\$244,600	\$59,300	\$0	\$0	\$0	\$303,900

PROJECT NAME: Monterey Dr. Drainage Improvements

PROJECT NUMBER: 21100

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The roadway in the area of 2072 Monterey Drive experiences standing water after major storm events for extended periods of time. Stormwater in this area needs to be rerouted to a proper drainage retention area. Phase 1 consists of engineering, design and permitting and will take place this fiscal year, with Phase 2 – construction commencing in future years.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$0	\$0	\$225,000	\$0	\$0	\$225,000
Total	\$0	\$0	\$225,000	\$0	\$0	\$225,000

PROJECT NAME: Lake Fieldstone to Briarwood Outfall Improvements

PROJECT NUMBER: 21114

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The current outfall from Lake Fieldstone to Lake Briarwood is inadequate for the volume of stormwater to meet the needs of the area during a major storm event. There are several lakes upstream that rely on this outfall for flood protection. Phase 1 which consists of engineering, design and permitting started in FY 15/16, with construction as part of Phase 2 taking place this fiscal year.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$320,000	\$86,000	\$0	\$0	\$0	\$406,000
Drawdown of Fund Balance	\$0	\$114,000	\$0	\$0	\$0	\$114,000
Total	\$320,000	\$200,000	\$0	\$0	\$0	\$520,000

PROJECT NAME: Briarwood Lake Ditch Restoration

PROJECT NUMBER: 21102

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The current ditch and headwall that serves as the outfall to Lake Briarwood is in need of improvement. Phase 1 consists of engineering, design and permitting and will take place this fiscal year, with Phase 2 – construction commencing in future years.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$75,000	\$0	\$0	\$0	\$0	\$75,000

PROJECT NAME: Wakefield Circle

PROJECT NUMBER: 24223

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Replace existing undersized French drain system that has reached its useful life with new larger diameter pipe and new intake structures. Connect to the existing outfall at Providence Blvd.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$75,000	\$0	\$0	\$0	\$0	\$75,000

PROJECT NAME: Treadway Dr. & Etta Terr. Drainage
 Improvements
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 28240
POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The intersection floods at this location during heavy rain events. This project will consist of installing several hundred feet of 18” HDPE pipe, multiple Nyloplast Basins, and all associated restoration and swale work.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$15,000	\$0	\$0	\$0	\$0	\$15,000
Total	\$15,000	\$0	\$0	\$0	\$0	\$15,000

PROJECT NAME: Beal St. Drainage Improvements (2841)
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 28241
POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Beal Street floods between E. Juliet Drive and Hope Avenue during and after heavy rain events; flooding the entire street and swale area. To alleviate prolonged standing stormwater, we would install roughly 1,000’ of 15” HDPE pipe, 120’ of HP pipe, multiple Nyloplast Basins, and all associated restoration and swale work.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$32,000	\$0	\$0	\$0	\$0	\$32,000
Total	\$32,000	\$0	\$0	\$0	\$0	\$32,000

PROJECT NAME: Azora Dr. Drainage Improvements (1191/1198)

PROJECT NUMBER: 21115

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Azora Drive experiences significant standing water on the roadway, especially between Bachman Avenue and Wheeling Avenue, during and after heavy rain events. The installation of roughly 520' of 24" HDPE sock pipe, multiple Nyloplast Basins with concrete collars, and all associated restoration and swale work will help to alleviate this.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$30,000	\$0	\$0	\$0	\$0	\$30,000
Total	\$30,000	\$0	\$0	\$0	\$0	\$30,000

PROJECT NAME: Roland Dr. Drainage Pipe Replacement (3259)

PROJECT NUMBER: 28242

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The existing infrastructure in this area has reached the end of its expected service life and is in need of replacement. This project consists of all work associated with replacing roughly 300' of 24" HDPE pipe and 70' of HP pipe.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$12,500	\$0	\$0	\$0	\$0	\$12,500
Total	\$12,500	\$0	\$0	\$0	\$0	\$12,500

PROJECT NAME: W. Parkton Dr. & Jeffers Dr. Drainage Improvements

PROJECT NUMBER: 27230

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This intersection experiences temporary flooding during major rain events. In an effort to alleviate this issue, this project consists of installing roughly 240’ of 18” HDPE sock pipe, multiple Nyloplast Basins and other work associated with the restoration and swales.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Total	\$20,000	\$0	\$0	\$0	\$0	\$20,000

PROJECT NAME: Newmark Dr. & Copperfield Ave.
Drainage Improvements

PROJECT NUMBER: 28243

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This intersection experiences temporary flooding during major rain events. In an effort to alleviate this issue, this project consists of installing roughly 140’ of 15” HDPE pipe, 40’ of HP pipe, multiple Nyloplast Basins and other work associated with the restoration and swales.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$8,000	\$0	\$0	\$0	\$0	\$8,000
Total	\$8,000	\$0	\$0	\$0	\$0	\$8,000

PROJECT NAME: Comstock Ave. Drainage Improvements (656)

PROJECT NUMBER: 28244

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Several properties in this area experience a significant amount of standing water from the local area runoff. To alleviate some of this standing water, this project consists of the installation of roughly 160' of 18" HDPE pipe, grated structures and all other work associated with the restoration and swales.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$8,000	\$0	\$0	\$0	\$0	\$8,000
Total	\$8,000	\$0	\$0	\$0	\$0	\$8,000

PROJECT NAME: Section Line Trail Phase II
Drainage Improvements

PROJECT NUMBER: 24224

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The existing infrastructure in this area has reached the end of its expected service life and is in need of replacement. This project consists of all work associated with replacing existing pipe with roughly 500' of 12" HDPE pipe and all other work associated with the restoration and swales.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$9,500	\$0	\$0	\$0	\$0	\$9,500
Total	\$9,500	\$0	\$0	\$0	\$0	\$9,500

PROJECT NAME: Tivoli/Wheeling Ponds

PROJECT NUMBER: 24225

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Clear two lots purchased by the City, excavate and form ponds for the purpose of stormwater retention to alleviate elevation of water on the pavement.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Total	\$20,000	\$0	\$0	\$0	\$0	\$20,000

WASTEWATER

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	FY 2020-2021	Total
45009	Rehab Sewer Collection System	\$500,000	\$0	\$0	\$0	\$0	\$500,000
43001	Lift Station Rehabs	\$75,000	\$0	\$0	\$0	\$0	\$75,000
41013	Lake Monroe Reclaim Withdrawal Phase 4A	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000
41014	Lake Monroe Reclaim Withdrawal Phase 4B	\$500,000	\$0	\$0	\$0	\$0	\$500,000
45010	Reclaimed Water System-Dewey Boster	\$250,000	\$0	\$0	\$0	\$0	\$250,000
45011	Reclaimed Water System-Coventry	\$200,000	\$0	\$0	\$0	\$0	\$200,000
45012	Reclaimed Water System-Live Oak	\$200,000	\$0	\$0	\$0	\$0	\$200,000
44013	Alexander Ave. Phase 2 RIB	\$150,000	\$0	\$0	\$0	\$0	\$150,000
44014	Alexander Ave. Phase 3 RIB	\$250,000	\$0	\$0	\$0	\$0	\$250,000
45014	Reclaimed Water System Expansion (CUP/AWS)	\$150,000	\$0	\$0	\$0	\$0	\$150,000
43022	Florida Dr. Manhole Replacement	\$125,000	\$0	\$0	\$0	\$0	\$125,000
40025	Ground Storage Tank (GST) Rehabilitation	\$100,000	\$0	\$0	\$0	\$0	\$100,000
43023	Zinnia Dr. Manhole Replacement	\$250,000	\$0	\$0	\$0	\$0	\$250,000
43021	Fisher EQ Tank Replacement	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total Projects Expenditures		\$8,825,000	\$0	\$0	\$0	\$0	\$8,825,000

Revenue Source	FY 2016/2017	FY 2017/2018	FY 2018/2019	FY 2019/2020	FY 2020/2021	Total
Drawdown of Fund Balance	\$2,825,000	\$0	\$0	\$0	\$0	\$2,825,000
SRF Loan Proceeds	\$3,525,000	\$0	\$0	\$0	\$0	\$3,525,000
Grants	\$2,475,000	\$0	\$0	\$0	\$0	\$2,475,000
Total Revenues	\$8,825,000	\$0	\$0	\$0	\$0	\$8,825,000

PROJECT NAME: Rehab Sewer Collection System

PROJECT NUMBER: 45009

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

Not addressing the aging sewer collection system will result in failures. A failure will cause a loss in sewer service to the residents and an environmental release of raw sewage to the surrounding communities and environment. Repairing the collection system not only avoids costs associated with emergency repairs but also reduces the amount of ground water leaking into the system that is then treated at the wastewater facility. This reduces the direct costs on chemicals used to treat ground water and could also offset the need for capital expansion due to capacity at the wastewater facility.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total	\$500,000	\$0	\$0	\$0	\$0	\$500,000

PROJECT NAME: Lift Station Rehabs

PROJECT NUMBER: 43001

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This is an annually recurring project at various locations. Lift station failures result in loss of sewer service to customers as well as sanitary sewer overflows (SSO's) to the environment. SSO's can result in administrative fines from the FDEP or EPA. A proactive approach is less costly than costs associated with emergency repair, clean up and fines.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$75,000	\$0	\$0	\$0	\$0	\$75,000

PROJECT NAME: Lake Monroe Reclaim Withdrawal Phase 4A
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 41013
POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

The scope of this project consists of completion of engineering and permitting services and to begin construction related to improvements to the 122 acre RIB site. This project includes a lined reservoir, filter equipment, chemical feed equipment, and alum feed system, piping, appurtenances, electrical & instrumentation, and site work.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Grants	\$2,475,000	\$0	\$0	\$0	\$0	\$2,475,000
SRF Loan Proceeds (EWWTP)	\$3,525,000	\$0	\$0	\$0	\$0	\$3,525,000
Total	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000

PROJECT NAME: Lake Monroe Reclaim Withdrawal Phase 4B
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 41014
POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This project covers the beginning of engineering and permitting services for Phase 4B of the Lake Monroe project. The scope of the project includes the pipeline, intake structures, pump station, and an additional 2MG storage tank.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total	\$500,000	\$0	\$0	\$0	\$3,000,000	\$500,000

PROJECT NAME: Reclaimed Water System-Dewey Boster

PROJECT NUMBER: 45010

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This project is designed to expand the existing reclaim water service to additional areas. This project is part of a larger effort to provide alternative means of irrigation for customers to reduce the impact on the draw from the aquifer.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total	\$250,000	\$0	\$0	\$0	\$0	\$250,000

PROJECT NAME: Reclaimed Water System-Coventry

PROJECT NUMBER: 45011

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This project is designed to expand the existing reclaim water service to additional areas. This project is part of a larger effort to provide alternative means of irrigation for customers to reduce the impact on the draw from the aquifer.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Total	\$200,000	\$0	\$0	\$0	\$0	\$200,000

PROJECT NAME: Reclaimed Water System-Live Oak

PROJECT NUMBER: 45012

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This project is designed to expand the existing reclaim water service to additional areas. This project is part of a larger effort to provide alternative means of irrigation for customers to reduce the impact on the draw from the aquifer.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$200,000	\$0	\$0	\$0	\$0	\$200,00
Total	\$200,000	\$0	\$0	\$0	\$0	\$200,000

PROJECT NAME: Alexander Ave. Phase 2 RIB

PROJECT NUMBER: 44013

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This RIB site is physically located on the southern portion of the 122 acre site. The completion and operation of the EWRf relies on the completion of this project as part of the issued FDEP permit for the EWRf. Development in the City's growth areas and the SR 415 corridor depends upon the provision of sewer service as well as the success of this project.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000

PROJECT NAME: Alexander Ave. Phase 3 RIB

PROJECT NUMBER: 44014

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This project consists of the design and permitting of Phase 3 of the RIB site. This is to design the additional ribs to be constructed on the 40 acres immediately north of the existing rib site. Construction is anticipated to begin in FY 17/18.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total	\$250,000	\$0	\$0	\$0	\$0	\$250,000

PROJECT NAME: Reclaimed Water System Expansion (CUP/AWS)

PROJECT NUMBER: 45014

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Reclaimed main expansion projects are needed primarily for the eastern portion of Deltona to be able to provide reclaimed water to residential and commercial properties. The reclaimed water will be provided by the EWRf. This expansion will assist with meeting regulatory and compliance requirements for the City's CUP and Alternative Water.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000

PROJECT NAME: Florida Dr. Manhole Replacement

PROJECT NUMBER: 43022

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This project consists of replacing two sewer manholes as well as the associated piping in between them and the portion that feeds into the existing lift station. The area surrounding the manholes has naturally changed over time and has caused issues with the existing infrastructure. This project would improve the overall reliability of the system in this area.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Total	\$125,000	\$0	\$0	\$0	\$0	\$125,000

PROJECT NAME: Ground Storage Tank (GST) Rehabilitation

PROJECT NUMBER: 40025

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

As a result of a recent sanitary survey, it was noted that the City has a GST in need of rehabilitation. This project is to make the necessary rehabilitation and is expected to satisfy the requirements of the sanitary survey.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000

PROJECT NAME: Zinnia Dr. Manhole Replacement

PROJECT NUMBER: 43023

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This project consists of replacing two sewer manholes and roughly 500' of gravity lines that are old and experience root issues. This project would improve the overall reliability of the system in this area.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total	\$250,000	\$0	\$0	\$0	\$0	\$250,000

PROJECT NAME: Fisher EQ Tank Replacement

PROJECT NUMBER: 43021

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The flow equalization basin at Fisher has deteriorated due to its age. Repairs are no longer cost effective and it needs to be replaced. The tank will be replaced with a concrete one along with the refurbishment of the headworks. Design and permitting will take place this fiscal year with construction anticipated to take place in FY 17/18.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$75,000	\$0	\$0	\$0	\$0	\$75,000

PARKS AND RECREATION

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	FY 2020-2021	Total
30502	Community Center	\$ 6,000,000	\$2,480,000	\$0	\$0	\$0	\$8,480,000
650100	Neighborhood Park	\$100,000	\$0	\$0	\$0	\$0	\$100,000
03115	Lakeshore Loop Trail Construction	\$629,200	\$0	\$0	\$0	\$0	\$629,200
Total Projects Expenditures		\$6,729,200	\$2,480,000	\$0	\$0	\$0	\$9,209,200

Revenue Source	FY 2016/2017	FY 2017/2018	FY 2018/2019	FY 2019/2020	FY 2020/2021	Total
Drawdown of Fund Balance	\$5,520,000	\$2,180,000	\$0	\$0	\$0	\$7,700,000
Grants	\$909,200	\$0	\$0	\$0	\$0	\$909,200
Transfer In	\$300,000	\$300,000	\$0	\$0	\$0	\$600,000
Total Revenues	\$6,729,200	\$2,480,000	\$0	\$0	\$0	\$9,209,200

PROJECT NAME: Community Center

PROJECT NUMBER: 30502

PLAN ELEMENT: Parks and Recreation

POLICY NUMBER:

PROJECT DESCRIPTION

The Center at Deltona (new Community Center) is a proposed ±29,000 SF building to be constructed at a City-owned tract located at 1640 Dr. Martin Luther King, Jr. Blvd. The Center is designed to be a multi-purpose building to include a Council on Aging area for senior citizens, a ±7,500 SF assembly hall with raised stage for community events, a pre-function gathering hall, conference rooms, wedding dressing rooms, administrative offices, two kitchens, and an event lawn.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$5,420,000	\$2,180,000	\$0	\$0	\$0	\$7,600,000
Grants	\$280,000	\$0	\$0	\$0	\$0	\$280,000
Transfer In	\$300,000	\$300,000	\$0	\$0	\$0	\$600,000
Total	\$6,000,000	\$2,480,000	\$0	\$0	\$0	\$8,480,000

PROJECT NAME: Neighborhood Park

PROJECT NUMBER: 650100

PLAN ELEMENT: Parks and Recreation

POLICY NUMBER: PR1-1.9

PROJECT DESCRIPTION

The scope of this project includes creating an open green space area, adding a small playground, park benches and picnic area in order to provide a gathering place for the residents within the neighborhood. Location TBD.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000

PROJECT NAME: Lakeshore Loop Trail Construction

PROJECT NUMBER: 03115

PLAN ELEMENT: Parks and Recreation

POLICY NUMBER: PR1-2.8

PROJECT DESCRIPTION

The Lakeshore Loop Trail is designed to continue parks enhancements for the community near Lake Monroe. The trail adds to the Thornby Park playground and property purchased, connects Volusia County’s Spring-to-Spring Trail as an alternative route to Green Springs, enhances the City’s property/existing Community Center along Lakeshore Drive as a potential trailhead in the future, and will provide a safe means for people to enjoy the Lake Monroe lakeshore area. The trail also enhances the St. Johns River to Sea Trail Loop on a State-wide level. Trail funding, similar to funding for Thornby Park, maximizes leveraging of alternative funding sources to minimize impacts to the City’s General Fund. The trail construction and design dollars are being funded by the FDOT/TPO for 90% and the 10% grant match from the City is to be funded by ECHO grant funds.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Grant	\$629,200	\$0	\$0	\$0	\$0	\$629,200
Total	\$629,200	\$0	\$0	\$0	\$0	\$629,200

FIVE YEAR CIP FUNDS

SECTION 3

OVERALL CITY OF DELTONA CAPITAL BUDGET

The following spreadsheets and charts contained within Section 3 of this report represent the five year City capital budget and funding sources. There are also spreadsheets and charts that specifically depict capital projects funded by enterprise funds. The fiscal analysis was derived using the subject spreadsheets and tables as a foundation for the analysis of concurrency-oriented capital improvements.

A review of the Section 3 spreadsheets and accompanying tables will reveal that, in some cases, unidentified funding sources have been scheduled for projects as early as year one of the 5-year capital improvement program. As the funding sources currently considered unidentified become known (reliable funding mechanisms), the CIE will be appropriately updated during the next annual CIE amendment to reflect the changed funding status.

**ESTIMATED OPERATING
BUDGET IMPACTS OF SELECTED
CAPITAL IMPROVEMENT PROJECTS**

The following projects are expected to generate incremental operating costs and therefore impact future operating budgets. This list is not all inclusive but does include the most significant projects whose operating budget impacts have been quantified.

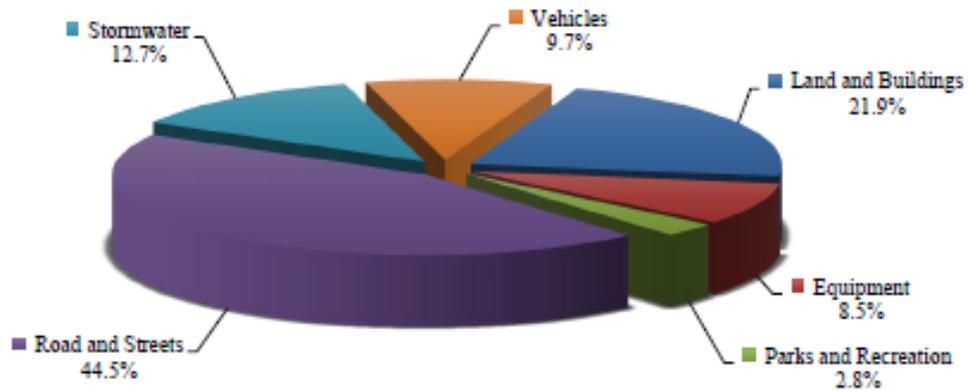
	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>
<u>Public Safety:</u>				
No major projects	\$ -	\$ -	\$ -	\$ -
<u>Transportation:</u>				
No major projects	\$ -	\$ -	\$ -	\$ -
<u>Culture & Recreation:</u>				
Community Center				
Estimated Completion: End of Year 2017				
Additional Staffing (# New Personnel)	1	4	4	4
Additional Staffing Costs	\$ 95,000	\$ 291,000	\$ 299,700	\$ 308,700
Utilities	125,000	128,800	132,700	136,700
Operating Supplies	30,000	30,900	31,800	32,800
Total - Governmental Funds	\$ 250,000	\$ 450,700	\$ 464,200	\$ 478,200
<u>Wastewater:</u>				
<u>New Eastern Wastewater Treatment Plant</u>				
Project Completed: 2016				
Additional Staffing (# New Personnel)	6	8	8	8
Additional Staffing Costs	\$ 359,000	\$ 500,000	\$ 525,000	\$ 550,000
Materials (R.&R)	97,500	100,000	105,000	110,000
Membrane Replacement	-	-	125,000	125,000
Chemicals	187,000	240,000	265,000	290,000
Utilities	400,000	550,000	575,000	600,000
Biosolids Treatment	140,000	200,000	225,000	250,000
Water Testing Services	35,000	45,000	50,000	50,000
Misc. Tools & Supplies	24,500	25,000	25,000	25,000
Training, etc.	2,400	15,000	20,000	20,000
Other Operating Expenses	32,100	30,000	30,000	30,000
Total - Enterprise Funds	\$ 1,277,500	\$ 1,705,000	\$ 1,945,000	\$ 2,050,000

16/17 Annual Budget

**GOVERNMENTAL FUNDS
 FIVE YEAR CAPITAL IMPROVEMENT PLAN
 SUMMARY BY PROJECT TYPE**

Project	Budget	Planned				Total
	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	
Land and Buildings - Parks & Recreation	\$ 6,000,000	\$ 2,480,000	\$ -	\$ -	\$ -	\$ 8,480,000
Land and Buildings - Public Works	100,000	-	-	-	-	100,000
Miscellaneous Infrastructure/Improvements	200,000	200,000	200,000	200,000	150,000	950,000
Land and Buildings - Fire Station	80,000	-	-	-	-	80,000
Equipment	1,350,500	643,000	1,072,000	393,000	256,500	3,715,000
Road Construction	2,900,000	-	-	-	-	2,900,000
Park Projects	1,234,200	-	-	-	-	1,234,200
Road Resurfacing	856,000	3,250,000	2,500,000	2,500,000	2,500,000	11,606,000
Sidewalks	1,036,000	1,000,000	1,000,000	1,000,000	1,000,000	5,036,000
Stormwater - Capital Improvement	639,600	466,300	892,000	480,000	1,360,000	3,837,900
Stormwater - Renewal and Replacement	380,000	516,500	313,700	150,000	392,000	1,752,200
Vehicles	249,000	1,396,000	958,000	1,039,000	609,000	4,251,000
	\$ 15,025,300	\$ 9,951,800	\$ 6,935,700	\$ 5,762,000	\$ 6,267,500	\$ 43,942,300

Total 5-Year CIP By Project Type



16/17 Annual Budget

**GOVERNMENTAL FUNDS
FIVE YEAR CAPITAL IMPROVEMENT PLAN
SUMMARY BY FUNDING SOURCE**

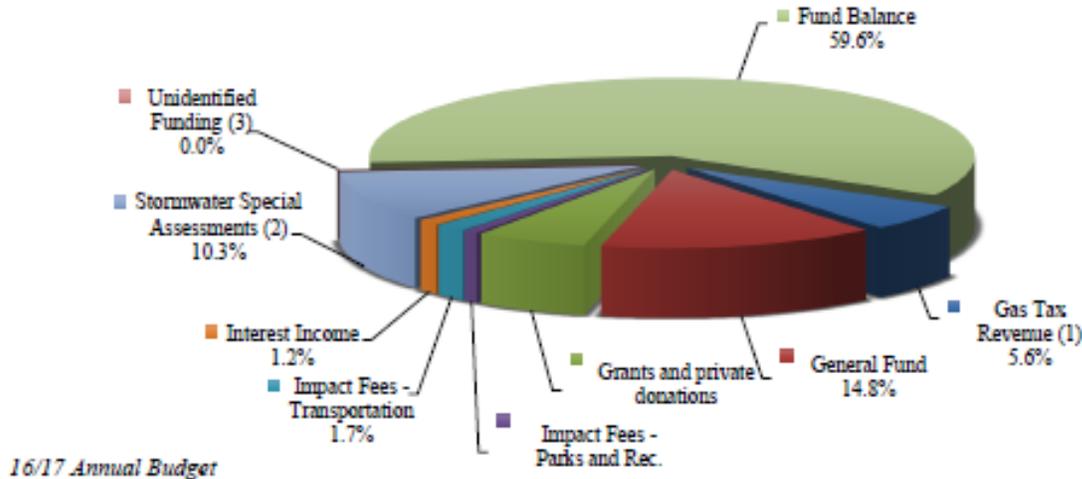
Funding Source	Budget	Planned				Total
	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	
Gas Tax Revenue (1)	\$ 325,300	\$ 526,000	\$ 533,000	\$ 542,000	\$ 548,000	\$ 2,474,300
General Fund	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	6,500,000
Grants and private donations	1,666,700	363,500	-	-	576,000	2,606,200
Impact Fees - Parks and Recreation	62,000	64,000	67,000	70,000	74,000	337,000
Impact Fees - Transportation	150,000	150,000	150,000	150,000	150,000	750,000
Interest Income	198,900	133,700	92,230	65,790	43,880	534,500
Stormwater Special Assessments (2)	991,900	952,000	909,600	864,300	817,900	4,535,700
Unidentified Funding (3)	-	-	-	-	-	-
Draw from (transfer) to CIP Fund Balance	10,330,500	6,462,600	3,883,870	2,769,910	2,757,720	26,204,600
	<u>\$ 15,025,300</u>	<u>\$ 9,951,800</u>	<u>\$ 6,935,700</u>	<u>\$ 5,762,000</u>	<u>\$ 6,267,500</u>	<u>\$ 43,942,300</u>

- (1) Tax revenues in excess of related operating expenditures and debt service.
 (2) Assessment revenue in excess of related operating expenditures and debt service
 (3) If funding does not materialize the related capital outlay will be adjusted as needed.

CIP Fund Balance:

Beginning CIP reserve	\$ 30,120,370	\$ 19,789,870	\$ 13,327,270	\$ 9,443,400	\$ 6,673,490
Draw (from) addition to reserve	<u>(10,330,500)</u>	<u>(6,462,600)</u>	<u>(3,883,870)</u>	<u>(2,769,910)</u>	<u>(2,757,720)</u>
Ending CIP reserve	<u>\$ 19,789,870</u>	<u>\$ 13,327,270</u>	<u>\$ 9,443,400</u>	<u>\$ 6,673,490</u>	<u>\$ 3,915,770</u>

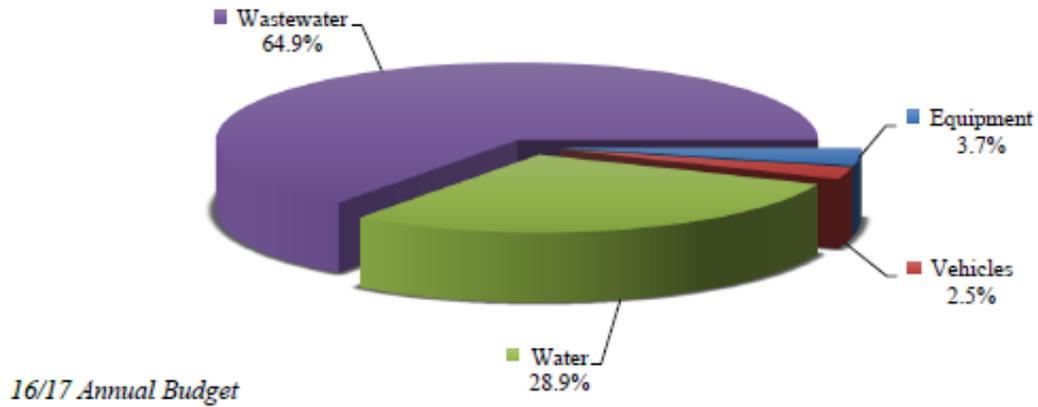
Total 5-Year CIP By Funding Source



**ENTERPRISE FUND
FIVE YEAR CAPITAL IMPROVEMENT PLAN
SUMMARY BY PROJECT TYPE**

Project	Budget FY 16/17	Planned				Total
		FY 17/18	FY 18/19	FY 19/20	FY 20/21	
Equipment	\$ 511,700	<div style="border: 1px solid black; padding: 5px;"> <p>The five year projection period ending 09/30/2021 is unknown due to significant mandated changes to the CIP. These issues will be addressed in a long-range planning workshop in October to evaluate and discuss options.</p> <p>An updated five year CIP will be available for the next</p> </div>				\$ 511,700
Vehicles	356,000					\$ 356,000
Water	4,040,000					4,040,000
Wastewater	9,080,000					9,080,000
	<u>\$ 13,987,700</u>					<u>\$ 13,987,700</u>

Total 5-Year CIP By Project Type



**ENTERPRISE FUND
FIVE YEAR CAPITAL IMPROVEMENT PLAN
SUMMARY BY FUNDING SOURCE**

Funding Source	Budget	Planned				Total			
	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21				
Interest Income	\$ 73,000	The five year projection period ending 09/30/2021 is unknown due to significant mandated changes to the CIP. These issues will be addressed in a long-range planning workshop in October to evaluate and discuss options. An updated five year CIP will be available for the next				\$ 73,000			
Utility Assessment Fees	264,000								264,000
Utility Operating Fund (1)	146,900								146,900
Grants	2,475,000								2,475,000
Issuance of Debt - State Revolving Fund	3,525,000								3,525,000
New borrowing (4)	-								-
Draw from (transfer) to reserves	7,503,800				7,503,800				
	<u>\$ 13,987,700</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 13,987,700</u>			

- (1) Operating revenues in excess of related expenditures and debt service.
- (2) Bond Sinking Fund & Customer Deposits.
- (3) Restricted by bond covenants for renewal & replacement. Available for R & R capital outlay only.
- (4) If funding does not materialize the related capital outlay will be adjusted as needed.

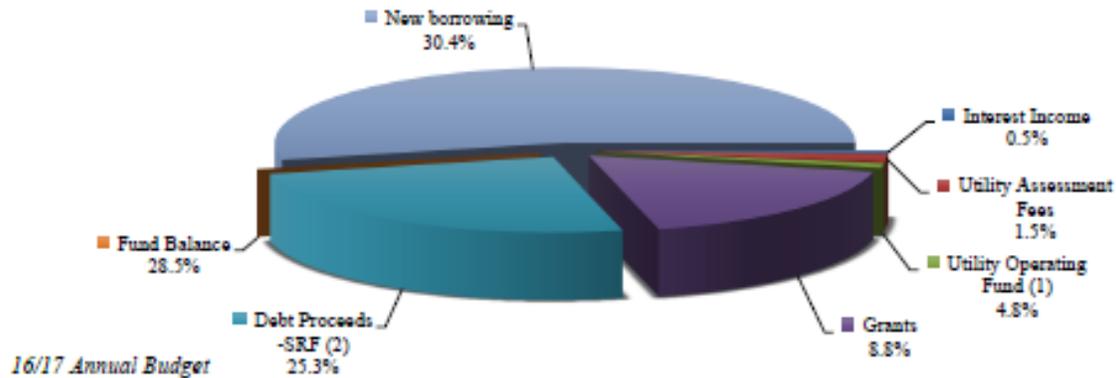
Reserves:

Reserve	\$ 20,736,397	\$ -	\$ -	\$ -	\$ -
Draw (from) addition to reserve	(7,503,800)	-	-	-	-
Ending Reserves	<u>\$ 13,232,597</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

Reserve Components:

Restricted (2)	\$ 6,456,000	\$ -	\$ -	\$ -	\$ -
Restricted - Renewal & Replacement (3)	964,000	-	-	-	-
Unassigned	5,812,597	-	-	-	-
Total Reserves	<u>\$ 13,232,597</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

Total 5-Year CIP By Funding Source





APPENDICES

APPENDIX A

Capital Improvements Projects
Strikethrough Underline Format

POTABLE WATER

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2015-2016 2016-2017	FY 2016-2017 2017-2018	FY 2017-2018 2018-2019	FY 2018-2019 2019-2020	FY 2019-2020 2020-2021	Total
46900	Water Main Replacements	-\$200,000	\$300,000	\$200,000	\$300,000	\$200,000	\$1,200,000
46001	Well Rehabs	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,020,000
41009	Alternative Water Supply (West Volusia AWS)	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$715,000
46013	Howland Blvd Utility Relocation, Phase 3	\$500,000	\$0	\$0	\$0	\$0	\$500,000
46015	Ft. Smith Section 4B	\$75,000	\$0	\$0	\$0	\$0	\$75,000
640500A	Water Meters & Related Materials	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
41015	LFA Well (Braekish Deep Well)	\$50,000	\$0	\$0	\$0	\$0	\$50,000
41016	Magdalena Well	\$160,000	\$400,000	\$0	\$0	\$0	\$560,000
43017	Magdalena/Saxon Interconnect	\$575,000	\$300,000	\$0	\$0	\$0	\$350,000 \$575,000
640500B	Retirement Meters	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$30060,000
42016	Wellington WTP Water Main Upgrade	\$150600,000	\$500,000	\$0	\$0	\$0	\$650,000
45013	High Service Pump Upgrades	\$150425,000	\$150,000	\$0	\$0	\$0	\$300425,000
41017	LFA Treatment Plant & Well Design (AWS)	\$100275,000	\$275,000	\$600,000	\$0	\$600,000	\$1,575,000 \$275,000
46022	<u>Automation of Interconnect with Volusia County at Normandy Blvd.</u>	<u>\$150,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$150,000</u>
42017	<u>E. Normandy (Saxon – Providence) 16' Water main Improvements</u>	<u>\$100,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$100,000</u>
46901	<u>Water Main Replacements – Phase 5</u>	<u>\$500,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$500,000</u>
Total Projects Expenditures		\$1,835,000 \$3,685,000	\$2,385,000	\$1,260,000	\$760,000	\$1,260,000	\$7,525,000 \$3,685,000

Revenue Source	FY 2015-2016 2016-2017	FY 2016-2017 2017-2018	FY 2017-2018 2018-2019	FY 2018-2019 2019-2020	FY 2019-2020 2020-2021	Total
Drawdown of Fund Balance	\$1,635,000 \$3,421,000	\$2,295,000	\$1,170,000	\$670,000	\$1,170,000	\$6,695,000 \$3,421,000
Grants	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Impact Fees	\$150264,000	\$90,000	\$90,000	\$90,000	\$90,000	\$510264,000
Total Revenues	\$1,835,000 \$3,685,000	\$2,385,000	\$1,260,000	\$760,000	\$1,260,000	\$7,525,000 \$3,685,000

PROJECT NAME: Water Main Replacements **PROJECT NUMBER:** 46900

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I1-PW1.2

PROJECT DESCRIPTION

Water main failures can result in an interruption in service, impact public health as well as have detrimental effects on fire protection. In some cases, mains are increased in size to accommodate the installation of fire hydrants in the surrounding area. Improving the loss of service, reliability, and fire protection to residents should exceed anticipated costs.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$200,000	\$300,000	\$200,000	\$300,000	\$200,000	\$1,200,000
Total	\$200,000	\$300,000	\$200,000	\$300,000	\$200,000	\$1,200,000

PROJECT NAME: Well Rehab

PROJECT NUMBER: 46001

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.2

PROJECT DESCRIPTION

The public supply wells produce drinking water for the City. Failure to rehab and maintain operational continuity would affect public health. Providing maintenance also allows the utility to maintain production levels from the wells. Inspection and maintenance of existing wells is cost effective compared to the costs of relocating or requesting a replacement well through the water management district.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Total	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000

PROJECT NAME: Alternative Water Supply (West Volusia AWS)

PROJECT NUMBER: 41009

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW2.5

PROJECT DESCRIPTION

There is not enough water availability for current or future demands. Reductions in groundwater allocations by the Water Management District are forcing this capital expense. This is an on-going project with potential costs of a very large magnitude.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$150,000	\$60,000	\$60,000	\$60,000	\$60,000	\$240,000 \$150,000
Impact Fees	\$150,000	\$90,000	\$90,000	\$90,000	\$90,000	\$510,000
Total	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000 \$150,000

~~**PROJECT NAME:** Howland Utility Relocate (Phase 3)~~

~~**PROJECT NUMBER:** 46013~~

~~**PLAN ELEMENT:** Infrastructure~~

~~**POLICY NUMBER:** I1-PW4.2~~

~~***PROJECT DESCRIPTION***~~

~~*There are currently four road widening projects within the City that require the relocation of water and/or wastewater lines (Normandy Blvd., Howland Blvd., DeBary Ave., & Fort Smith Blvd). These pipes will be replaced with new pipes and, in some cases, with larger pipe to provide better services.*~~

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total	\$500,000	\$0	\$0	\$0	\$0	\$500,000

PROJECT NAME: Ft. Smith – Section 4B

PROJECT NUMBER: 46015

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW4.2

PROJECT DESCRIPTION

Relocating utilities is required as part of the overall City wide road widening plan. As part of this City wide road widening project, the City is concurrently relocating the utilities located in the area while expanding the system at the same time.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$75,000	\$0	\$0	\$0	\$0	\$75,000

PROJECT NAME: Water Meters and Related Materials

PROJECT NUMBER: 640500A

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.6

PROJECT DESCRIPTION

This is an annually recurring project at various locations. All potable water must be registered and accounted for in order to be in compliance with FAC 62-555. In order to register all potable water, all service lines must be metered. Additionally, this will ensure that all water usage is being accounted for and that revenue is being properly billed and monitored.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/190 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Total	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000

PROJECT NAME: LFA Well (Brackish Deep Well)

PROJECT NUMBER: 41015

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.2

PROJECT DESCRIPTION

The scope of this project is complete construction of a brackish aquifer test well and related engineering study and research required to evaluate the hydrogeological characteristics of the Lower Floridan Aquifer (LFA).

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	\$50,000	\$0	\$0	\$0	\$0	\$50,000

PROJECT NAME: Magdalena Well

PROJECT NUMBER: 41016

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.2

PROJECT DESCRIPTION

There is a need for an additional well at the City’s Magdalena well site. With the recent completion of the ground storage tank, the additional well will ensure that an adequate supply of water is available during peak demand times. This well will increase operational continuity as related to maintaining water pressure for public health and/or fire protection. The scope of this project covers engineering, design and permitting. The construction phase of this project will begin in FY 16/17.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$ 1 600,000	\$400,000	\$0	\$0	\$0	\$ 5 600,000
Total	\$1600,000	\$400,000	\$0	\$0	\$0	\$5600,000

PROJECT NAME: Magdalena/Saxon Interconnect

PROJECT NUMBER: 43017

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.12

PROJECT DESCRIPTION

The interconnect between Plant 16 and Plant 7 is needed to supply the Plant 16 storage tank. Currently, water demand can drain down the tank faster than the existing well can supply water. The facility could run out of water during a heavy demand cycle such as when firefighting. This well will increase operational continuity as related to maintaining water pressure for public health and/or fire protection.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$50,000 \$575,000	\$300,000	\$0	\$0	\$0	\$350,000 \$575,000
Total	\$50,000 \$575,000	\$300,000	\$0	\$0	\$0	\$350,000 \$575,000

PROJECT NAME: Retirement Meters

PROJECT NUMBER: 64050B

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.6

PROJECT DESCRIPTION

This is an annually recurring project at various locations. The City is required to retire meters after a specified period of time in order to remain in compliance with FAC 62-555. Retiring meters ensures proper accountability of consumption and ensures that the flow is registered accurately.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000 \$60,000
Total	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000 \$60,000

PROJECT NAME: Wellington WTP Watermain Upgrade

PROJECT NUMBER: 42016

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW2

PROJECT DESCRIPTION

The primary watermain leaving the Wellington WTP needs to be replaced. This project will include the engineering, design and permitting with construction anticipated to commence in FY 16/17.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$150,000 \$600,000	\$500,000	\$0	\$0	\$0	\$650,000 \$600,000
Total	\$150,000 \$600,000	\$500,000 \$500,000	\$0 \$0	\$0 \$0	\$0 \$0	\$650,000 \$600,000

PROJECT NAME: High Service Pump Upgrades

PROJECT NUMBER: 45013

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW2

PROJECT DESCRIPTION

High service pumping facilities at the Lombardy, Sagamore, and Courtland 8 Water Treatment Plants are in need of upgrades. The scope of this project includes engineering and permitting as well as construction of improvements at the Sagamore Water Treatment Plant.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$150,000 \$425,000	\$150,000	\$0	\$0	\$0	\$300,000 \$425,000
Total	\$150,000 \$425,000	\$150,000 \$150,000	\$0 \$0	\$0 \$0	\$0 \$0	\$300,000 \$425,000

PROJECT NAME: LFA Treatment Plant & Well Design (AWS)

PROJECT NUMBER: 41017

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

The scope of this project includes design and permitting of treatment facilities for Lower Floridan Aquifer (LFA) water sources.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of	\$100,000	\$275,000	\$600,000	\$0	\$600,000	\$1,575,000
Fund Balance	<u>\$275,000</u>					<u>\$275,000</u>
Total	\$100,000 <u>\$275,000</u>	\$275,000	\$600,000	\$0	\$600,000	\$1,575,000 <u>\$275,000</u>

PROJECT NAME: [Automation of Interconnect with Volusia County at Normandy Blvd.](#)

PROJECT NUMBER: [46022](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This interconnect is not currently automated and must be opened manually. The installation of an automated system will take place this fiscal year. This project is necessary in order to ensure adequate fire flows and fire safety protection in the Deltona North area which is currently serviced by Volusia County Utilities.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of	<u>\$150,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$150,000</u>
Fund Balance						
Total	<u>\$150,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$150,000</u>

PROJECT NAME: [E. Normandy \(Saxon – Providence\)
16' Water Main Improvements](#)

PROJECT NUMBER: [42017](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[Due to the anticipated roadway project on this portion of E. Normandy Boulevard, the current utilities need to be relocated. This phase will consist of the design and permitting with construction anticipated to take place in FY 17/18.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000

PROJECT NAME: [Water Main Replacements – Phase 5](#)

PROJECT NUMBER: [46901](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[This is a recurring project at various locations. Water main failures can result in an interruption in service, impact public health as well as have detrimental effects on fire protection. In some instances, the mains are increased in size to accommodate the installation of fire hydrants in the surrounding areas. The benefit of reducing the possibility of loss of service, improving reliability and fire protection to residents should exceed anticipated costs. FY 16/17 costs will include the design, permitting and partial construction of Phase 5.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$236,000	\$0	\$0	\$0	\$0	\$236,000
Impact Fees	\$264,000	\$0	\$0	\$0	\$0	\$264,000
Total	\$500,000	\$0	\$0	\$0	\$0	\$500,000

TRANSPORTATION

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY	FY	FY	FY	FY	Total
		2015-2016 2016-2017	2016-2017 2017-2018	2017-2018 2018-2019	2018-2019 2019-2020	2019-2020 2020-2021	
33021	Ft. Smith Section 4B (Howland to 415)	\$-1,700,000	\$0	\$0	\$0	\$0	\$-1,700,000
631021	Road Resurfacing	\$500,000 \$856,000	\$500,000 \$3,250,000	\$500,000 \$2,500,000	\$650,000 \$2,500,000	\$650,000 \$2,500,000	\$2,800,000 11,606,000
33064	Howland Blvd./Ft. Smith Blvd. Intersection Improvements	\$400,000	\$0	\$0	\$0	\$0	\$400,000
33066	E. Normandy Blvd (Farrington Dr. to Quincy Ave.)	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
33068	Catalina Blvd./Howland Blvd. Intersection Improvements	\$450,000	\$0	\$0	\$0	\$0	\$450,000
33069	Tivoli Dr. Intersection Improvements	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000
631001	Sidewalks	\$1,036,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,036,000
Total Projects Expenditures		\$2,600,000 \$4,642,000	\$500,000 \$4,250,000	\$500,000 \$3,500,000	\$650,000 \$3,500,000	\$650,000 \$3,500,000	\$-4,900,000 \$196,392,000

Revenue Source	FY	FY	FY	FY	FY	Total
	2015/2016 2016-2017	2016/2017 2017-2018	2017/2018 2018-2019	2018/2019 2019-2020	2019/2020 2020-2021	
Operating Surplus	\$424,900 \$442,300	\$427,500 \$623,000	\$434,500 \$605,000	\$443,500 \$592,000	\$450,000 \$576,000	\$2,205,400 \$2,838,300
Drawdown of Fund Balance	\$1,480,100 \$3,892,200	\$72,500 \$3,477,000	\$65,500 \$2,745,000	\$206,500 \$2,758,000	\$199,500 \$2,774,000	\$1,999,600 \$15,646,200
Impact Fees	\$195,000 \$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$195,000 \$750,000
General Fund Grants	\$500,000 \$157,500	\$0	\$0	\$0	\$0	\$500,000 \$157,000
Total Revenues	\$2,600,000 \$4,642,000	\$500,000 \$4,642,000	\$500,000 \$3,500,000	\$650,000 \$3,500,000	\$650,000 \$3,500,000	\$4,900,000 \$19,392,000

PROJECT NAME: Ft. Smith Section 4 B (Howland to 415)

PROJECT NUMBER: 33021

PLAN ELEMENT: Transportation

POLICY NUMBER: T1-2.4

PROJECT DESCRIPTION

This project is part of the City's overall road widening plan and has been scheduled for several years. As the City has grown, traffic congestion has also increased. This project is intended to alleviate some of that congestion. This project will conclude in FY 15/16. This will be the last major road project the City will undertake until such point in time additional funding is obtained.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$24,900	\$0	\$0	\$0	\$0	\$24,900
Drawdown of Fund Balance	\$1,480,100	\$0	\$0	\$0	\$0	\$1,480,100
Impact Fees	\$195,000	\$0	\$0	\$0	\$0	\$195,000
Total	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000

PROJECT NAME: Road Resurfacing and Striping

PROJECT NUMBER: 631021

PLAN ELEMENT: Transportation

POLICY NUMBER: T1-1.9

PROJECT DESCRIPTION

The consequences resulting from not funding road resurfacing would include undue wear and deterioration on the roadway infrastructure, a tremendous safety and liability issue from increased accidents and a cost increase in repairs and/or complete reconstruction of the roadway at a later date. Resurfacing greatly reduces the hazards and threats to public safety. By restoring rough, damaged and deteriorating roadways to a like-new condition allows the general public to travel more comfortably, safely, and confidently. Road Resurfacing includes putting thermoplastic striping to replace the temporary paint that is initially laid down when a road is resurfaced. Road resurfacing in the FY 14/15 budget is being funded by a transfer from the General Fund.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$442,300	\$247,500	\$434,500	\$443,500	\$450,000	\$1,780,500	\$2,838,300
General Fund	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$500,000
Drawdown of Fund Balance	\$413,700	\$72,500	\$65,500	\$206,500	\$199,500	\$519,500	\$8,767,700
Total	\$500,000	\$500,000	\$500,000	\$650,000	\$650,000	\$2,800,000	\$11,606,000

PROJECT NAME: ~~Howland Blvd./Ft. Smith Blvd~~ **PROJECT NUMBER:** ~~33064~~
~~Intersection Improvements~~

PLAN ELEMENT: ~~Transportation~~ **POLICY NUMBER:** ~~T1-2.4~~

PROJECT DESCRIPTION

The project will be constructed as a part of the Volusia County Howland Phase 3 roadway project which includes the reconstruction of the Howland and Ft. Smith intersection. The work will include rural to urban cross section, curb and gutter, bicycle lanes, and 5 foot sidewalks. New turn lanes will be added to Fort Smith Blvd at the intersection of Howland Blvd.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Total	\$400,000	\$0	\$0	\$0	\$0	\$400,000

PROJECT NAME: [E. Normandy Blvd. \(Farrington Dr. to Quincy Ave.\)](#)

PROJECT NUMBER: [33066](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[East Normandy is a main thoroughfare and has deteriorated over the last several years and engineering investigation has determined that a rebuild is required rather than repaving. This project is part of the City's overall road widening plan and the condition of this road has been monitored for several years.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
Total	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000

PROJECT NAME: [Catalina Blvd./Howland Blvd. Intersection Improvements](#) **PROJECT NUMBER:** [33068](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[The project will be constructed in an effort to improve the flow of traffic in this area. This project includes the installation of turn lanes and signalization improvements.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Total	\$450,000	\$0	\$0	\$0	\$0	\$450,000

PROJECT NAME: [Tivoli Dr. Intersection Improvements](#)

PROJECT NUMBER: [33069](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[Improvements will be made to the intersections at Tivoli and Providence Blvd. as well as Tivoli and Saxon Blvd. Improvements will include additional lanes as well as improvements to the signalization at both intersections.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$792,500	\$0	\$0	\$0	\$0	\$792,500
Grants	\$157,500	\$0	\$0	\$0	\$0	\$157,500
Impact Fees	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000

PROJECT NAME: [Sidewalks](#)

PROJECT NUMBER: [631001](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[The City has an on-going program to add sidewalks throughout the City. The current policy is to install sidewalks within ½ mile of elementary schools and on collector roadways.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$1,036,000	\$850,000	\$850,000	\$850,000	\$850,000	\$4,436,000
Impact Fees	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$600,000
Total	\$1,036,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,036,000

**STORMWATER
CAPITAL IMPROVEMENT PROJECTS SUMMARY**

Project No.	Project	FY 2015-2016 <u>2016-2017</u>	FY 2016-2017 <u>2017-2018</u>	FY 2017-2018 <u>2018-2019</u>	FY 2018-2019 <u>2019-2020</u>	FY 2019/2020 <u>2020- 2021</u>	Total
21001	Leland Drainage Impr.	\$400,000	\$0	\$0	\$0	\$0	\$400,000
650100	Drainage Pipe Rehab	\$200,000 <u>\$150,000</u>	\$200,000 <u>\$150,000</u>	\$200,000 <u>\$150,000</u>	\$200,000 <u>\$150,000</u>	\$200,000 <u>\$150,000</u>	\$1,000,000 <u>\$750,000</u>
28238	Bonview Ave./ Merchant Terr. Drainage Improvements	\$100,000	\$0	\$0	\$0	\$0	\$100,000
29206	Sky St./Keeling Dr. Drainage Improvements	\$30,000	\$0	\$0	\$0	\$0	\$30,000
29214	Sky St. (Laredo Dr. & Keeling Dr.) Drainage Improvements	\$175,000	\$0	\$0	\$0	\$0	\$175,000
29239	Brickell Dr. Drainage Improvements	\$301,700 <u>\$244,600</u>	\$244,592 <u>\$59,300</u>	\$59,292 <u>\$0</u>	\$0	\$0	\$605,584 <u>\$303,900</u>
21100	Monterey Dr. Drainage Improvements	\$75,000	\$0	<u>\$225,000</u>	\$225,000	\$0	\$300,000 <u>\$225,000</u>
21114	Lake Fieldstone to Briarwood Outfall Improvements	\$100,000 <u>\$320,000</u>	\$325,000 <u>\$200,000</u>	\$0	\$0	\$0	\$425,000 <u>\$520,000</u>
21101	Montebello Ave. Improvements	\$75,000	\$0	\$0	\$225,000	\$0	\$300,000
21102	Briarwood Lake Ditch Restoration	\$23,400 <u>\$75,000</u>	\$0	\$0	\$0	\$0	\$23,400 <u>\$75,000</u>
24118	Renton Street Improvements	\$65,000	\$0	\$0	\$0	\$0	\$65,000
21103	1088 Tivoli Dr. Improvements	\$30,000	\$0	\$0	\$0	\$0	\$30,000
21104	920 Sweetbrier Dr. Improvements	\$20,000	\$0	\$0	\$0	\$0	\$20,000
21105	E. Normandy Blvd and E. Hancock Dr. Improvements	\$16,500	\$0	\$0	\$0	\$0	\$16,500
21106	1108 & 1109 Prescott Blvd. Pipe replacement	\$10,000	\$0	\$0	\$0	\$0	\$10,000
21107	1679 N. Wayeross Circle Drainage Improvement	\$20,000	\$0	\$0	\$0	\$0	\$20,000
21108	734 Fruitland Dr. Pipe Replacement	\$14,000	\$0	\$0	\$0	\$0	\$14,000
21109	1169 W. Hancock Dr. Pipe Replacement	\$10,000	\$0	\$0	\$0	\$0	\$10,000
21110	737 Trafalgar St. Pipe Replacement	\$10,000	\$0	\$0	\$0	\$0	\$10,000

21111	Elkeam Blvd. & Nemo Dr. Drainage Improvements	\$15,000	\$0	\$0	\$0	\$0	\$15,000
21112	Intersection at Newcomb Ln. & Blaine Cir. Drainage Improvements	\$50,000	\$0	\$0	\$0	\$0	\$50,000
21113	Gatewood Dr. between Branchville Dr. & Lynnhaven St. Drainage Improvements	\$50,000	\$0	\$0	\$0	\$0	\$50,000
24223	Wakefield Circle	\$75,000	\$0	\$0	\$0	\$0	\$75,000
28240	Treadway Dr. & Etta Terr. Drainage Improvements	\$15,000	\$0	\$0	\$0	\$0	\$15,000
28241	Beal St. Drainage Improvements (2841)	\$32,000	\$0	\$0	\$0	\$0	\$32,000
21115	Azora Dr. Drainage Improvements (1191/1198)	\$30,000	\$0	\$0	\$0	\$0	\$30,000
28242	Roland Dr. Drainage Pipe Replacement (3259)	\$12,500	\$0	\$0	\$0	\$0	\$12,500
27230	W. Parkton Dr. & Jeffers Dr. Drainage Improvements	\$20,000	\$0	\$0	\$0	\$0	\$20,000
28243	Newmark Dr. & Copperfield Ave. Drainage Improvements	\$8,000	\$0	\$0	\$0	\$0	\$8,000
28244	Comstock Ave. Drainage Improvements (656)	\$8,000	\$0	\$0	\$0	\$0	\$8,000
24224	Section Line Trail Phase II Drainage Improvements	\$9,500	\$0	\$0	\$0	\$0	\$9,500
24225	Tivoli/Wheeling Ponds	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Total Projects Expenditures		\$1,790,600	\$769,592	-\$259,292	\$650,000	\$200,000	\$3,669,484
		\$1,019,600	\$409,300	\$375,000	\$150,000	\$150,000	\$2,103,900

Revenue Source	FY 2015/2016 2016-2017	FY 2016/17 2017-2018	FY 2017/2018 2018-2019	FY 2018/2019 2019-2020	FY 2019/2020 2020-2021	Total
Drawdown of Fund Balance	\$570,500	\$68,037	\$158,247	\$363,200	\$150,000	\$1,159,984
Operating Surplus	\$1,039,100	\$554,800	\$65,300	\$286,800	\$200,000	\$2,146,000
Grants	\$181,000	\$146,755	\$35,745	\$0	\$0	\$363,500
Total Revenues	\$1,790,600	\$769,592	\$259,292	\$650,000	\$200,000	\$3,669,484
	\$1,019,600	\$409,300	\$375,000	\$150,000	\$150,000	\$2,103,900

PROJECT NAME: Leland Drainage Improvements **PROJECT NUMBER:** 21001

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I4 STW2.1

PROJECT DESCRIPTION

The drainage retention area on Leland Dr. adversely affects numerous residents in the Leland and Oslo area, during and after prolonged stormwater events. The drainage area receives water from several inlets. Improvements are needed to handle the flow in the area. Funding this project would greatly increase the level of flood protection for the residents in this area. This project has several benefits that cause it to exceed the cost of its funding. The area currently requires the use of emergency rental pumps to control flooding issues after major storm events.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Total	\$400,000	\$0	\$0	\$0	\$0	\$400,000

PROJECT NAME: Drainage Pipe Rehab.

PROJECT NUMBER: 650100

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The City has several stormwater pipe runs that require lining. These runs are in areas where digging them up would jeopardize structures on private property. If ~~we~~ the City does not address these failures, there could be severe consequences ~~when~~ during the rainy season ~~begins~~.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$200,000 \$150,000	\$200,000 \$150,000	\$65,300 \$0	\$200,000 \$150,000	\$200,000 \$0	\$865,300 \$450,000
Drawdown of Fund Balance	\$0	\$0	\$134,700 \$150,000	\$0	\$0 \$150,000	\$134,700 \$300,000
Total	\$200,000 \$150,000	\$200,000 \$150,000	\$200,000 \$150,000	\$200,000 \$150,000	\$200,000 \$150,000	\$1,000,000 \$750,000

PROJECT NAME: Bonview Ave./Merchant Terr.
Drainage Improvements

PROJECT NUMBER: 28238

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The scope of this project covers engineering, design and permitting for a drainage improvement project for the Bonview Avenue and Merchant Terrace area. This area has experienced flooding in past years and an improved system should help reduce the flooding and better manage stormwater in the area.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000

PROJECT NAME: Sky St./Keeling Dr. Drainage Improvements

PROJECT NUMBER: 29206

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The Sky Street/Keeling Drive area experience standing water with no improved drainage apparatuses to control the flow of stormwater and keep it from significantly impacting the residents in the area. This project will provide a means for the water control and should aid in the relief of standing water in the area. Phase 1: engineering, design, and permitting. Phase 2: Construction, will begin in FY 15/16.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$30,000	\$0	\$0	\$0	\$0	\$30,000
Total	-\$30,000	\$0	\$0	\$0	\$0	\$30,000

PROJECT NAME: Sky Street (Laredo Dr. & Keeling Dr.)

PROJECT NUMBER: 29214

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

~~This area has standing water in the swales during and after heavy rain event. This project will greatly improve the drainage in this area. This project will eliminate the standing concerns. Phase 1 consists of engineering design and permitting. Phase 2, construction, will begin in FY 15/16.~~

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$175,000	\$0	\$0	\$0	\$0	\$175,000
Total	\$175,000	\$0	\$0	\$0	\$0	\$175,000

PROJECT NAME: Brickell Dr. Drainage Improvements

PROJECT NUMBER: 29239

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

~~The scope of this project covers construction of drainage improvements for Brickell Drive. This project will treat the stormwater prior to it being discharged into downstream waters. Grant money is pending final approval from the Environmental Protection Agency. ~~of a 60 percent match is pending final approval from the Environmental Protection Agency.~~ This project is continued from FY 15/16. 60% Grant funding.~~

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$120,700	\$29,800	\$0	\$0	\$0	\$150,500
Drawdown of Fund Balance	\$0	\$68,037	\$23,547	\$0	\$0	\$91,584
Grants	\$181,000	\$146,755	\$35,745	\$0	\$0	\$363,500
	<u>\$244,600</u>	<u>\$59,300</u>	<u>\$0</u>			<u>\$303,900</u>
Total	\$301,700	\$244,592	\$59,292	\$0	\$0	\$605,584
	<u>\$244,600</u>	<u>\$59,300</u>	<u>\$0</u>			<u>\$303,900</u>

PROJECT NAME: Monterey Dr. Drainage Improvements

PROJECT NUMBER: 21100

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The roadway in the area of 2072 Monterey Drive experiences standing water after major storm events for extended periods of time. Stormwater in this area needs to be rerouted to a proper drainage retention area. Phase 1 consists of engineering, design and permitting and will take place this fiscal year, with Phase 2 – construction commencing in future years.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Operating Surplus	\$0	\$0	\$0	\$86,800	\$0	\$86,800
Drawdown of Fund Balance	\$75,000	\$0	\$225,000	\$138,200	\$0	\$213,200 \$225,000
Total	\$75,000	\$0	\$225,000	\$225,000	\$0	\$300,000 \$225,000

PROJECT NAME: Lake Fieldstone to Briarwood Outfall Improvements

PROJECT NUMBER: 21114

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The current outfall from Lake Fieldstone to Lake Briarwood is inadequate for the volume of stormwater to meet the needs of the area during a major storm event. There are several lakes upstream that rely on this outfall for flood protection. Phase 1 which consists of engineering, design and permitting started in FY 15/16, will take place this fiscal year, with construction as part of Phase 2 taking place this fiscal year in future years.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Operating Surplus	\$320,000	\$325,000 \$86,000	\$0	\$0	\$0	\$325,000 \$406,000
Drawdown of Fund Balance	\$100,000	\$114,000	\$0	\$0	\$0	\$100,000 \$114,000
Total	\$100,000 \$320,000	\$325,000 \$200,000	\$0	\$0	\$0	\$425,000 \$520,000

PROJECT NAME: Montebello Ave. Improvements

PROJECT NUMBER: 21101

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The Montebello Avenue area often experiences high water tables which results in standing water in the swales and intersections for extended periods of time. Improvements are needed in this area to reduce this issue. Phase 1 consists of engineering, design and permitting and will take place this fiscal year, with Phase 2 construction commencing in future years.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$75,000	\$0	\$0	\$225,000	\$0	\$300,000
Total	\$75,000	\$0	\$0	\$225,000	\$0	\$300,000

PROJECT NAME: Briarwood Lake Ditch Restoration

PROJECT NUMBER: 21102

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The current ditch and headwall that serves as the outfall to Lake Briarwood is in need of improvement. Phase 1 which consists of engineering, design and permitting began in FY 15/16 and will take place this fiscal year, with construction as part of Phase 2 taking place this fiscal year. —construction commencing in future years.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
	<u>16/17</u>	<u>17/18</u>	<u>18/19</u>	<u>19/20</u>	<u>20/21</u>	
Operating Surplus	\$13,400	\$0	\$0	\$0	\$0	\$13,400
	<u>\$75,000</u>					<u>\$75,000</u>
Drawdown of Fund Balance	\$10,000	\$0	\$0	\$0	\$0	\$10,000
Total	<u>\$23,400</u>	\$0	\$0	\$0	\$0	<u>\$23,400</u>
	<u>\$75,000</u>					<u>\$75,000</u>

PROJECT NAME: Renton Street Improvements

PROJECT NUMBER: 24118

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The Renton Street area experiences standing water in the swales for an extended period of time due to the nature of the existing drainage infrastructure. Phase 1 consists of engineering, design and permitting and will take place this fiscal year, with Phase 2 construction commencing in future years.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$65,000	\$0	\$0	\$0	\$0	\$65,000
Total	-\$65,000	\$0	\$0	\$0	\$0	\$65,000

PROJECT NAME: 1088 Tivoli Dr. Improvements

PROJECT NUMBER: 21103

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The street floods in front of several properties on Tivoli Drive. The proposed improvements would eliminate standing water in the roadway and swale area. This area currently requires Water Over Road signs to be deployed during and after heavy rain events, to warn motor vehicles of water in the road.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$30,000	\$0	\$0	\$0	\$0	\$30,000
Total	-\$30,000	\$0	\$0	\$0	\$0	\$30,000

PROJECT NAME: 920 Sweetbrier Dr. Improvements **PROJECT NUMBER:** 21104

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I4-STW2.1

PROJECT DESCRIPTION

The area around 920 Sweetbrier Drive has outgrown the existing underground percolation system; the impervious surface has increased greatly in this area over the years. During heavy rain events this system is overwhelmed causing standing water near several homes. The proposed improvements would enlarge this system and greatly increase the underground storage capacity.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Total	-\$20,000	\$0	\$0	\$0	\$0	\$20,000

PROJECT NAME: E. Normandy Blvd & E. Hancock Dr. Improvements **PROJECT NUMBER:** 21105

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I4-STW2.1

PROJECT DESCRIPTION

The roadway and swales in this area flood during heavy prolonged storm events. The proposed improvements would reduce the standing water in the roadway. This is phase one of three phases that will be needed in this area.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$16,500	\$0	\$0	\$0	\$0	\$16,500
Total	-\$16,500	\$0	\$0	\$0	\$0	\$16,500

PROJECT NAME: 1108 & 1109 Prescott Blvd Pipe Replacement **PROJECT NUMBER:** 21106

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I4-STW2.1

PROJECT DESCRIPTION

The road crossing pipe and structures in this area have reached the end of their useful service life. The proposed replacement would replace the pipe and rebuild the two structures.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$10,000	\$0	\$0	\$0	\$0	\$10,000
Total	-\$10,000	\$0	\$0	\$0	\$0	\$10,000

PROJECT NAME: 1679 N. Waycross Circle Drainage Improvement **PROJECT NUMBER:** 21107

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I4-STW2.1

PROJECT DESCRIPTION

This area is in need of drainage improvements to better facilitate the stormwater in the area and reduce the number of complaints from area residents. This area is naturally wet so water stands for an extended period of time.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Total	-\$20,000	\$0	\$0	\$0	\$0	\$20,000

PROJECT NAME: 734 Fruitland Drive Pipe Replacement

PROJECT NUMBER: 21108

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The existing stormwater system in this area becomes overwhelmed during heavy or prolonged storm events. Improvements would allow more storage during these times which would reduce the amount of standing water on the surface. The scope of this project consists of replacing roughly 240 ft. of 18" HDPE CMP pipe that is over 30 years old and has reached the end of its service life. The proposed replacement would greatly reduce the potential for failures in this system.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$14,000	\$0	\$0	\$0	\$0	\$14,000
Total	-\$14,000	\$0	\$0	\$0	\$0	\$14,000

PROJECT NAME: 1169 W. Hancock Drive Pipe Replacement

PROJECT NUMBER: 21109

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The scope of this project includes removing and replacing 160 ft. of 30" CMP that has reached the end of its service life. Replacing this pipe would greatly improve our underground infrastructure.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$10,000	\$0	\$0	\$0	\$0	\$10,000
Total	-\$10,000	\$0	\$0	\$0	\$0	\$10,000

PROJECT NAME: 737 Trafalgar Street Pipe Replacement

PROJECT NUMBER: 21110

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The scope of this project includes removing and replacing 200 ft. of 18" CMP that has reached the end of its service life. Replacing this pipe would reduce the possibility of pipe failure.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$10,000	\$0	\$0	\$0	\$0	\$10,000
Total	\$10,000	\$0	\$0	\$0	\$0	\$10,000

PROJECT NAME: Elkcarn Blvd. & Nemo Drive Drainage Improvements

PROJECT NUMBER: 21111

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The roadway and sidewalk area severely floods during heavy rain events. The proposed improvements would reduce the standing water in this high traffic area.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$15,000	\$0	\$0	\$0	\$0	\$15,000
Total	\$15,000	\$0	\$0	\$0	\$0	\$15,000

PROJECT NAME: Intersection at Newcomb Ln. & Blaine Cir. **PROJECT NUMBER:** 21112
Drainage Improvement

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I4-STW2.1

PROJECT DESCRIPTION

The intersection of Newcomb Lane and Blaine Circle experiences standing water during and after strong stormwater events. In order to reduce the potential hazard, improvements need to be made. Phase 1 consists of engineering, design and permitting and will take place this fiscal year, with Phase 2 construction commencing in future years.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	-\$50,000	\$0	\$0	\$0	\$0	\$50,000

PROJECT NAME: Gatewood Dr. between Branchville Dr. & Lynnhaven St. **PROJECT NUMBER:** 21113
Drainage Improvement

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I4-STW2.1

PROJECT DESCRIPTION

The Gatewood Drive area experiences standing water in the swales and roadway for an extended period of time during and after heavy rain events. Phase 1 consists of engineering, design and permitting and will take place this fiscal year, with Phase 2 construction commencing in future years.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	-\$50,000	\$0	\$0	\$0	\$0	\$50,000

PROJECT NAME: [Wakefield Circle](#)

PROJECT NUMBER: [24223](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Replace existing undersized French drain system that has reached its useful life with new larger diameter pipe and new intake structures. Connect to the existing outfall at Providence Blvd.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$75,000	\$0	\$0	\$0	\$0	\$75,000

PROJECT NAME: [Treadway Dr. & Etta Terr. Drainage Improvements](#)

PROJECT NUMBER: [28240](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The intersection floods at this location during heavy rain events. This project will consist of installing several hundred feet of 18" HDPE pipe, multiple Nyloplast Basins, and all associated restoration and swale work.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$15,000	\$0	\$0	\$0	\$0	\$15,000
Total	\$15,000	\$0	\$0	\$0	\$0	\$15,000

PROJECT NAME: [Beal St. Drainage Improvements \(2841\)](#)

PROJECT NUMBER: [28241](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[Beal Street floods between E. Juliet Drive and Hope Avenue during and after heavy rain events; flooding the entire street and swale area. To alleviate prolonged standing stormwater, we would install roughly 1,000' of 15" HDPE pipe, 120' of HP pipe, multiple Nyloplast Basins, and all associated restoration and swale work.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$32,000	\$0	\$0	\$0	\$0	\$32,000
Total	\$32,000	\$0	\$0	\$0	\$0	\$32,000

PROJECT NAME: [Azora Dr. Drainage Improvements \(1191/1198\)](#)

PROJECT NUMBER: [21115](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[Azora Drive experiences significant standing water on the roadway, especially between Bachman Avenue and Wheeling Avenue, during and after heavy rain events. The installation of roughly 520' of 24" HDPE sock pipe, multiple Nyloplast Basins with concrete collars, and all associated restoration and swale work will help to alleviate this.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$30,000	\$0	\$0	\$0	\$0	\$30,000
Total	\$30,000	\$0	\$0	\$0	\$0	\$30,000

PROJECT NAME: [Roland Dr. Drainage Pipe Replacement \(3259\)](#)

PROJECT NUMBER: [28242](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[The existing infrastructure in this area has reached the end of its expected service life and is in need of replacement. This project consists of all work associated with replacing roughly 300' of 24" HDPE pipe and 70' of HP pipe.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$12,500	\$0	\$0	\$0	\$0	\$12,500
Total	\$12,500	\$0	\$0	\$0	\$0	\$12,500

PROJECT NAME: [W. Parkton Dr. & Jeffers Dr. Drainage Improvements](#)

PROJECT NUMBER: [27230](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[This intersection experiences temporary flooding during major rain events. In an effort to alleviate this issue, this project consists of installing roughly 240' of 18" HDPE sock pipe, multiple Nyloplast Basins and other work associated with the restoration and swales.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Total	\$20,000	\$0	\$0	\$0	\$0	\$20,000

PROJECT NAME: [Newmark Dr. & Copperfield Ave. Drainage Improvements](#)

PROJECT NUMBER: [28,243](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[This intersection experiences temporary flooding during major rain events. In an effort to alleviate this issue, this project consists of installing roughly 140' of 15" HDPE pipe, 40' of HP pipe, multiple Nyloplast Basins and other work associated with the restoration and swales.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$8,000	\$0	\$0	\$0	\$0	\$8,000
Total	\$8,000	\$0	\$0	\$0	\$0	\$8,000

PROJECT NAME: [Comstock Ave. Drainage Improvements \(656\)](#)

PROJECT NUMBER: [28244](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[Several properties in this area experience a significant amount of standing water from the local area runoff. To alleviate some of this standing water, this project consists of the installation of roughly 160' of 18" HDPE pipe, grated structures and all other work associated with the restoration and swales.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$8,000	\$0	\$0	\$0	\$0	\$8,000
Total	\$8,000	\$0	\$0	\$0	\$0	\$8,000

PROJECT NAME: [Section Line Trail Phase II
Drainage Improvements](#)

PROJECT NUMBER: [24224](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[The existing infrastructure in this area has reached the end of its expected service life and is in need of replacement. This project consists of all work associated with replacing existing pipe with roughly 500' of 12" HDPE pipe and all other work associated with the restoration and swales.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$9,500	\$0	\$0	\$0	\$0	\$9,500
Total	\$9,500	\$0	\$0	\$0	\$0	\$9,500

PROJECT NAME: [Tivoli/Wheeling Ponds](#)

PROJECT NUMBER: [24225](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[Clear two lots purchased by the City, excavate and form ponds for the purpose of stormwater retention to alleviate elevation of water on the pavement.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Operating Surplus	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Total	\$20,000	\$0	\$0	\$0	\$0	\$20,000

WASTEWATER

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2015-2016 2016-2017	FY 2016-2017 2017-2018	FY 2017-2018 2018-2019	FY 2018-2019 2019-2020	FY 2019-2020 2020-2021	Total
46010	Eastern Wastewater Treatment Plant	-\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000
45009	Rehab Sewer Collection System	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
43014	Reclaimed Water System Interconnect	\$368,700	\$0	\$0	\$0	\$0	\$368,700
43001	Lift Station Rehabs	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
41013	Lake Monroe Reclaim Withdrawal Phase 4A	\$6,500,000	\$1,000,000	\$3,000,000	\$2,000,000	\$0	\$6,500,000
41014	Lake Monroe Reclaim Withdrawal Phase 4B	\$150,000	\$250,000	\$250,000	\$2,000,000	\$3,000,000	\$5,650,000
45010	Reclaimed Water System-Dewey Boster	\$250,000	\$250,000	\$0	\$0	\$0	\$30250,000
45011	Reclaimed Water System-Coventry	\$120,000	\$200,000	\$0	\$0	\$0	\$3200,000
45012	Reclaimed Water System-Live Oak	\$120,000	\$200,000	\$0	\$0	\$0	\$3200,000
44002	EWWTPLS/FM Improvements	\$400,000	\$0	\$0	\$0	\$0	\$400,000
43018	East Side School Reclaim Connects (CUP/AWS)	\$50,000	\$0	\$0	\$0	\$0	\$50,000
44013	Alexander Ave. Phase 2 RIB	\$40150,000	\$0	\$0	\$0	\$0	\$40150,000
43019	Farrington Lift Station & Force Main	\$150,000	\$500,000	\$0	\$0	\$0	\$650,000
44014	Alexander Ave. Phase 3 RIB	\$250,000	\$0	\$0	\$0	\$0	\$250,000
45014	Reclaimed Water System Expansion (CUP/AWS)	\$150,000	\$0	\$0	\$0	\$0	\$150,000
43022	Florida Dr. Manhole Replacement	125,000	\$0	\$0	\$0	\$0	\$125,000
40025	Ground Storage Tank (GST) Rehabilitation	\$100,000	\$0	\$0	\$0	\$0	\$100,000
43023	Zinnia Dr. Manhole Replacement	\$250,000	\$0	\$0	\$0	\$0	\$250,000
43021	Fisher EQ Tank Replacement	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total Projects Expenditures		\$3,943,700 \$8,825,000	\$2,575,000	\$3,425,000	\$4,175,000	\$3,175,000	\$17,293,700 \$8,825,000

Revenue Source	FY 2015/2016 2016/2017	FY 2016/2017 2017/2018	FY 2017/2018 2018/2019	FY 2018/2019 2019/2020	FY 2019/2020 2020/2021	Total
Drawdown of Fund Balance	\$1,623,700 \$2,825,000	\$1,325,000	\$175,000	\$175,000	\$175,000	\$3,473,700 \$2,825,000
Impact Fees	\$170,000	\$0	\$0	\$0	\$0	\$170,000
SRF Loan Proceeds	\$2,050,000 \$3,525,000	\$920,000	\$2,260,000	\$2,680,000	\$2,010,000	\$9,920,000 \$3,525,000
Grants	\$100,000 \$2,475,000	\$330,000	\$990,000	\$1,320,000	\$990,000	\$3,730,000 \$2,475,000
Total Revenues	\$3,943,700 \$8,825,000	\$2,575,000	\$3,425,000	\$4,175,000	\$3,175,000	\$17,293,700 \$8,825,000

PROJECT NAME: Eastern Wastewater Treatment Plant **PROJECT NUMBER:** 46010

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I2-SS1.3

PROJECT DESCRIPTION

This is an on-going project. This project will carry over into FY 14/15 and beyond. This plant will support the development on the east side of the City and help alleviate some of the flows that go through the current wastewater treatment plant.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Grants	\$100,000	\$0	\$0	\$0	\$0	\$100,000
SRF Loan Proceeds (EWWTTP)	\$1,400,000	\$0	\$0	\$0	\$0	\$1,400,000
Total	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000

PROJECT NAME: Rehab Sewer Collection System

PROJECT NUMBER: 45009

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

Not addressing the aging sewer collection system will result in failures. A failure will cause a loss in sewer service to the residents and an environmental release of raw sewage to the surrounding communities and environment. Repairing the collection system not only avoids costs associated with emergency repairs but also reduces the amount of ground water leaking into the system that is then treated at the wastewater facility. This reduces the direct costs on chemicals used to treat ground water and could also offset the need for capital expansion due to capacity at the wastewater facility.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Total	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000

PROJECT NAME: Reclaimed Water System Interconnect

PROJECT NUMBER: 43014

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I1-PW1.10

PROJECT DESCRIPTION

This reclaimed interconnect project is identified as one of the West Volusia Water Suppliers' projects that is necessary to share water resources with other entities involved. This is also a requirement of the City's CUP.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$198,700	\$0	\$0	\$0	\$0	\$198,700
Impact Fees	\$170,000	\$0	\$0	\$0	\$0	\$170,000
Total	\$368,700	\$0	\$0	\$0	\$0	\$368,700

PROJECT NAME: Lift Station Rehabs

PROJECT NUMBER: 43001

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This is an annually recurring project at various locations. Lift station failures result in loss of sewer service to customers as well as sanitary sewer overflows (SSO's) to the environment. SSO's can result in administrative fines from the FDEP or EPA. A proactive approach is less costly than costs associated with emergency repair, clean up and fines.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
Total	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000

PROJECT NAME: Lake Monroe Reclaim Withdrawal Phase 4A

PROJECT NUMBER: 41013

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

The scope of this project consists of completion of engineering and permitting services and to begin construction related to improvements to the 122 acre RIB site. This project includes a lined reservoir, filter equipment, chemical feed equipment, and alum feed system, piping, appurtenances, electrical & instrumentation, and site work.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Grants	\$2,475,000	\$330,000	\$990,000	\$660,000	\$0	\$1,980,000 \$2,475,000
SRF Loan Proceeds (EWWTP)	\$500,000 \$3,525,000	\$670,000	\$2,010,000	\$1,340,000	\$0	\$4,520,000 \$3,525,000
Total	\$500,000 \$6,000,000	\$1,000,000	\$3,000,000	\$2,000,000	\$0	\$6,500,000 \$6,000,000

PROJECT NAME: Lake Monroe Reclaim Withdrawal Phase 4B

PROJECT NUMBER: 41014

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This project covers the beginning of engineering and permitting services for Phase 4B of the Lake Monroe project. The scope of the project includes the pipeline, intake structures, pump station, and an additional 2MG storage tank.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Grants Drawdown of Fund Balance	\$500,000	\$0	\$0	\$660,000	\$990,000	\$1,650,000 \$500,000
SRF Loan Proceeds (EWWTP)	\$150,000	\$250,000	\$250,000	\$1,340,000	\$2,010,000	\$4,000,000
Total	\$150,000 \$500,000	\$250,000	\$250,000	\$2,000,000	\$3,000,000	\$5,650,000 \$500,000

PROJECT NAME: Reclaimed Water System-Dewey Boster

PROJECT NUMBER: 45010

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This project is designed to expand the existing reclaim water service to additional areas. This project is part of a larger effort to provide alternative means of irrigation for customers to reduce the impact on the draw from the aquifer.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$250,000	\$250,000	\$0	\$0	\$0	\$300,000 \$250,000
Total	\$250,000	\$250,000	\$0	\$0	\$0	\$300,000 \$250,000

PROJECT NAME: Reclaimed Water System-Coventry

PROJECT NUMBER: 45011

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This project is designed to expand the existing reclaim water service to additional areas. This project is part of a larger effort to provide alternative means of irrigation for customers to reduce the impact on the draw from the aquifer.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$1200,000	\$200,000	\$0	\$0	\$0	\$300,000 \$200,000
Total	\$1200,000	\$200,000	\$0	\$0	\$0	\$300,000 \$200,000

PROJECT NAME: Reclaimed Water System-Live Oak

PROJECT NUMBER: 45012

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This project is designed to expand the existing reclaim water service to additional areas. This project is part of a larger effort to provide alternative means of irrigation for customers to reduce the impact on the draw from the aquifer.

Funding Summary

Source/YR	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	FY 19/20 20/21	Total
Drawdown of Fund Balance	\$1200,000	\$200,000	\$0	\$0	\$0	\$300,00 \$200,000
Total	\$1200,000	\$200,000	\$0	\$0	\$0	\$300,000 \$200,000

~~**PROJECT NAME:** EWWTP-LS/FM Improvements **PROJECT NUMBER:** 44002~~

~~**PLAN ELEMENT:** Infrastructure **POLICY NUMBER:** I2-SS1.7~~

~~**PROJECT DESCRIPTION**~~

~~*This is an on-going project. The scope of the project covers the design and necessary construction to modify 46 lift stations, public and private, that will be impacted by redirecting flows to the new Eastern Water Reclamation Facility.*~~

~~**Funding Summary**~~

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Total	\$400,000	\$0	\$0	\$0	\$0	\$400,000

PROJECT NAME: East Side School Reclaim Connects (CUP/AWS) **PROJECT NUMBER:** 43018

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I2-SS1.7

PROJECT DESCRIPTION

This project is designed to expand the existing reclaim water service to additional areas. This project is part of the larger effort to provide alternative means of irrigation for customers to reduce the impact on the draw from the aquifer.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	-\$50,000	\$0	\$0	\$0	\$0	\$50,000

PROJECT NAME: Alexander Ave. Phase 2 RIB

PROJECT NUMBER: 44013

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

This RIB site is physically located on the southern portion of the 122 acre site. The completion and operation of the EWRf relies on the completion of this project as part of the issued FDEP permit for the EWRf. Development in the City's growth areas and the SR 415 corridor depends upon the provision of sewer service as well as the success of this project.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$400,000	\$0	\$0	\$0	\$0	\$400,000
	<u>\$150,000</u>					<u>\$150,000</u>
Total	\$400,000 <u>\$150,000</u>	\$0	\$0	\$0	\$0	\$400,000 <u>\$150,000</u>

PROJECT NAME: Farrington Lift Station & Force Main

PROJECT NUMBER: 43019

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-SS1.7

PROJECT DESCRIPTION

Utility improvements are required as part of the overall City wide road improvements plan. As part of the road improvement project, the City is simultaneously installing sanitary sewer service to save future costs. This project consists of a lift station and associated force main needed to connect the sanitary sewer to the current Deltona Water sewer system.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$150,000	\$500,000	\$0	\$0	\$0	\$650,000
Total	\$150,000	\$500,000	\$0	\$0	\$0	\$650,000

PROJECT NAME: [Alexander Ave. Phase 3 RIB](#)

PROJECT NUMBER: [44014](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This project consists of the design and permitting of Phase 3 of the RIB site. This is to design the additional ribs to be constructed on the 40 acres immediately north of the existing rib site. Construction is anticipated to begin in FY 17/18.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total	\$250,000	\$0	\$0	\$0	\$0	\$250,000

PROJECT NAME: [Reclaimed Water System Expansion \(CUP/AWS\)](#)

PROJECT NUMBER: [45014](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

Reclaimed main expansion projects are needed primarily for the eastern portion of Deltona to be able to provide reclaimed water to residential and commercial properties. The reclaimed water will be provided by the EWRf. This expansion will assist with meeting regulatory and compliance requirements for the City's CUP and Alternative Water.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000

PROJECT NAME: [Florida Dr. Manhole Replacement](#)

PROJECT NUMBER: [43022](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

This project consists of replacing two sewer manholes as well as the associated piping in between them and the portion that feeds into the existing lift station. The area surrounding the manholes has naturally changed over time and has caused issues with the existing infrastructure. This project would improve the overall reliability of the system in this area.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Total	\$125,000	\$0	\$0	\$0	\$0	\$125,000

PROJECT NAME: [Ground Storage Tank \(GST\) Rehabilitation](#)

PROJECT NUMBER: [40025](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[As a result of a recent sanitary survey, it was noted that the City has a GST in need of rehabilitation. This project is to make the necessary rehabilitation and is expected to satisfy the requirements of the sanitary survey.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000

PROJECT NAME: [Zinnia Dr. Manhole Replacement](#)

PROJECT NUMBER: [43023](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

[This project consists of replacing two sewer manholes and roughly 500' of gravity lines that are old and experience root issues. This project would improve the overall reliability of the system in this area.](#)

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total	\$250,000	\$0	\$0	\$0	\$0	\$250,000

PROJECT NAME: [Fisher EQ Tank Replacement](#)

PROJECT NUMBER: [43021](#)

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I4-STW2.1

PROJECT DESCRIPTION

The flow equalization basin at Fisher has deteriorated due to its age. Repairs are no longer cost effective and it needs to be replaced. The tank will be replaced with a concrete one along with the refurbishment of the headworks. Design and permitting will take place this fiscal year with construction anticipated to take place in FY 17/18.

Funding Summary

Source/YR	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Drawdown of Fund Balance	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$75,000	\$0	\$0	\$0	\$0	\$75,000

PARKS AND RECREATION

CAPITAL IMPROVEMENT PROJECTS SUMMARY

<u>Project No.</u>	<u>Project</u>	<u>FY 2016-2017</u>	<u>FY 2017-2018</u>	<u>FY 2018-2019</u>	<u>FY 2019-2020</u>	<u>FY 2020-2021</u>	<u>Total</u>
<u>30502</u>	<u>Community Center</u>	<u>\$ 6,000,000</u>	<u>\$2,480,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$8,480,000</u>
<u>650100</u>	<u>Neighborhood Park</u>	<u>\$100,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$100,000</u>
<u>03115</u>	<u>Lakeshore Loop Trail Construction</u>	<u>\$629,200</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$629,200</u>
<u>Total Projects Expenditures</u>		<u>\$6,729,200</u>	<u>\$2,480,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$9,209,200</u>

<u>Revenue Source</u>	<u>FY 2016/2017</u>	<u>FY 2017/2018</u>	<u>FY 2018/2019</u>	<u>FY 2019/2020</u>	<u>FY 2020/2021</u>	<u>Total</u>
<u>Drawdown of Fund Balance</u>	<u>\$5,520,000</u>	<u>\$2,180,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$7,700,000</u>
<u>Grants</u>	<u>\$909,200</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$909,200</u>
<u>Transfer In</u>	<u>\$300,000</u>	<u>\$300,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$600,000</u>
<u>Total Revenues</u>	<u>\$6,729,200</u>	<u>\$2,480,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$9,209,200</u>

PROJECT NAME: Community Center

PROJECT NUMBER: 30502

PLAN ELEMENT: Parks and Recreation

POLICY NUMBER:

PROJECT DESCRIPTION

The Center at Deltona (new Community Center) is a proposed ±29,000 SF building to be constructed at a City-owned tract located at 1640 Dr. Martin Luther King, Jr. Blvd. The Center is designed to be a multi-purpose building to include a Council on Aging area for senior citizens, a ±7,500 SF assembly hall with raised stage for community events, a pre-function gathering hall, conference rooms, wedding dressing rooms, administrative offices, two kitchens, and an event lawn.

Funding Summary

<u>Source/YR</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>FY 20/21</u>	<u>Total</u>
<u>Drawdown of Fund Balance</u>	<u>\$5,420,000</u>	<u>\$2,180,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$7,600,000</u>
<u>Grants</u>	<u>\$280,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$280,000</u>
<u>Transfer In</u>	<u>\$300,000</u>	<u>\$300,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$600,000</u>
<u>Total</u>	<u>\$6,000,000</u>	<u>\$2,480,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$8,480,000</u>

PROJECT NAME: Neighborhood Park

PROJECT NUMBER: 650100

PLAN ELEMENT: Parks and Recreation

POLICY NUMBER: PR1-109

PROJECT DESCRIPTION

The scope of this project includes creating an open green space area, adding a small playground, park benches and picnic area in order to provide a gathering place for the residents within the neighborhood. Location TBD.

Funding Summary

<u>Source/YR</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>FY 20/21</u>	<u>Total</u>
<u>Drawdown of Fund Balance</u>	<u>\$100,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$100,000</u>
<u>Total</u>	<u>\$100,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$100,000</u>

PROJECT NAME: Lakeshore Loop Trail Construction

PROJECT NUMBER: 03115

PLAN ELEMENT: Parks and Recreation

POLICY NUMBER: PR1-2.8

PROJECT DESCRIPTION

The Lakeshore Loop Trail is designed to continue parks enhancements for the community near Lake Monroe. The trail adds to the Thornby Park playground and property purchased, connects Volusia County's Spring-to-Spring Trail as an alternative route to Green Springs, enhances the City's property/existing Community Center along Lakeshore Drive as a potential trailhead in the future, and will provide a safe means for people to enjoy the Lake Monroe lakeshore area. The trail also enhances the St. Johns River to Sea Trail Loop on a State-wide level. Trail funding, similar to funding for Thornby Park, maximizes leveraging of alternative funding sources to minimize impacts to the City's General Fund. The trail construction and design dollars are being funded by the FDOT/TPO for 90% and the 10% grant match from the City is to be funded by ECHO grant funds.

Funding Summary

<u>Source/YR</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>FY 20/21</u>	<u>Total</u>
<u>Grant</u>	<u>\$629,200</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$629,200</u>
<u>Total</u>	<u>\$629,200</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$629,200</u>

APPENDIX B

Certification of Availability of Permitted Disposal Capacity



September 10, 2015

Mr. Tom Lubozynski, P.E.
Section Supervisor
Waste Management Program – Central District
Florida Department of Environmental Protection
Orlando, Florida 32803-3767

Re: Annual Remaining Capacity and Site Life Report
Tomoka Farms Road Solid Waste Management Facility
Class I Landfill Permit No. SO64-0078767-023
Class III Landfill Permit No. SC64-0078767-019
WACS # 27540

Dear Mr. Lubozynski,

On behalf of the Volusia County Solid Waste Division, HDR Engineering, Inc. is hereby submitting this annual estimate of remaining capacity for the Tomoka Farms Road Solid Waste Management Facility in accordance with 62-701.500(13)(c), FAC.

The following table presents the calculated remaining capacity and estimated site life as of May 7, 2015:

	Remaining Disposal Capacity (cubic yards)	Closure Date
North Cell Class I Landfill with Phase 2 Area 3 Expansion	3,353,025	March 2025
Class III Landfill	4,031,703	July 2044

- Notes:
1. Remaining disposal capacity is based on as-built conditions, topographic survey flown on May 7, 2015 and final grades developed by HDR for North Cell Class I Landfill (excluding Phase 2 Area 4 expansion). This above capacity does not include volume for final cap.
 2. Closure date is based on average per capita utilization rates from past six years and population projections from the Office of Economic and Demographic Research (EDR).
 3. The North Cell Phase 2, Area 4 Expansion is permitted by the FDEP for construction but it has not yet been constructed and certified by the FDEP for disposal.

Please contact me if you have any questions or comments at (904) 598-8900.

Sincerely,

HDR Engineering, Inc.

A handwritten signature in black ink, appearing to read "M Roberts", is centered within a light gray rectangular box.

Mark Roberts
Project Manager

cc: Leonard Marion, Volusia County Solid Waste Division
Jennifer Stirk, Volusia County Solid Waste Division
Regina Montgomery, Volusia County Solid Waste Division



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**
CENTRAL DISTRICT
3319 MAGUIRE BOULEVARD, SUITE 232
ORLANDO, FLORIDA 32803

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

May 28, 2013

NOTICE OF PERMIT

By-Email

mkaiser@wasteservicesinc.com

In the matter of an
Application for Permit
By:

Mr. Mike Kaiser
Sanford Recycling and Transfer, Inc.
2893 Executive Park Drive
Weston, FL 33331

OCD-SW-13-1567

Seminole County – SW WACS # 90926
Sanford Recycling and Transfer Station
Class I Transfer Station and MRF-WPF
DEP File No. 0203666-007-SO-31

Dear Mr. Kaiser:

Enclosed is Permit Number 0203666-007-SO-31 to continue operation of the Sanford Recycling and Transfer Station, Class I Transfer Station and Materials Recovery Facility – Waste Processing Facility, issued under Sections 403.061(14) and 403.707, of the Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit under section 120.68 of the Florida Statutes, by the filing of a Notice of Appeal under rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this notice is filed with the Clerk of the Department.

Mr. Mike Kaiser
Sanford Recycling and Transfer, Inc.
OCD-SW-13-1567
May 28, 2013
Page 2 of 2

Executed in Orlando, Florida.

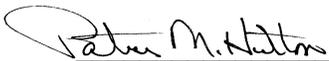
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jeff Prather
Director, Central District

FILING AND ACKNOWLEDGMENT

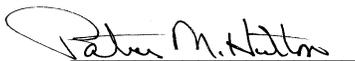
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.


Clerk

May 28, 2013
Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were sent before the close of business on May 28, 2013 to the listed persons.


Clerk

JP/ftl/kr

Enclosures

1. Permit No. 0203666-007-SO-31

Copies furnished to:

Richard Tedder, P.E. – FDEP Tallahassee, Richard.Tedder@dep.state.fl.us
FDEP Solid Waste Financial Coordinator, solid.waste.financial.coordinator@dep.state.fl.us
James E. Golden, P.E. – HSA Golden, jgolden@hsagolden.com
Reggie Phillips – FDEP Central District, reggie.phillips@dep.state.fl.us
Gloria DePradine – FDEP Central District, Gloria.depradine@dep.state.fl.us



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

CENTRAL DISTRICT
3319 MAGUIRE BOULEVARD, SUITE 232
ORLANDO, FLORIDA 32803-3767

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Permit Issued to:

Sanford Recycling and Transfer, Inc.
2893 Executive Park Drive
Weston, Florida
(904) 673-0446

Facility WACS ID No.: 90926
Sanford Recycling and Transfer Station
555 North White Cedar Road
Sanford, Seminole County, Florida

Contact Person:

Mike Kaiser, Regional Engineer
mkaiser@wasteservicesinc.com

Solid Waste Operation Permit – Waste Processing Facility
Permit No.: 0203666-007-SO-31

Permit Issued: May 28, 2013
Permit Renewal Application Due Date: 02/10/2018
Permit Expires: 04/12/2018

Permitting Authority

Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
(407) 897-4100
DEP_CD@dep.state.fl.us

SECTION 1 - SUMMARY INFORMATION

A. Authorization

The permittee is hereby authorized to operate a waste processing facility in accordance with the specific and general conditions of this permit and any documents attached to this permit or specifically referenced in this permit and made a part of this permit.

This solid waste operation permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 62-701 and 62-711.

This permit does not relieve the permittee from complying with any other appropriate local zoning or land use ordinances or with any other laws, rules or ordinances. Receipt of any permit from the Department does not relieve the applicant from obtaining other federal, state, and local permits and/or modifications required by law, including those from other sections within the Department or of the Water Management District.

B. Facility Location

The facility is located at 555 North White Cedar Road, Sanford, in Section 16, Township 19S, Range 30E, in Seminole County, Florida (Latitude 28° 49' 10" and Longitude 81° 18' 37").

C. Facility Description

The permittee is hereby authorized to perform the following operations at the facility:

- To operate the Sanford Recycling and Transfer Station. The facility occupies 7.66 acres.
- The facility will accept Class I waste, Class III waste and waste tires.
 - Transfer Station: The Class I waste will be placed into transport vehicles and hauled to a Department permitted Class I landfill.
 - Class III MRF: Recyclable materials will be separated from the Class III waste stream. The residual waste will be hauled to a Department permitted Class III or Class I landfill. The Class III recycling operation will consist of mechanical and manual screening, sorting, bailing, wood chipping. Materials will be processed and stored on-site.
 - Waste Tire Processing: Waste tires will be stored and processed on site.
- The facility utilizes a leachate collection system. Leachate is collected and piped directly to the WWTF. Construction plans are approved for an above ground leachate storage tank should an alternative to direct piping become necessary (reference permit modification SO59-0203666-005 which has been incorporated into this permit renewal).

D. Appendices Made Part of This Permit

APPENDIX 1 - General Conditions

APPENDIX 2 – List of Documents Incorporated into this Permit

APPENDIX 3 – Material Disposition (Establishes the maximum storage volume for each type of material)

E. Attachments for Informational Purposes Only

[None]

SECTION 2 - SPECIFIC CONDITIONS

A. Administrative Requirements

1. Documents Part of This Permit. The permit application **as finally revised, replaced or amended** in response to the Department's Request(s) for Additional Information are contained in the Department's files and are made a part of this permit. Those documents that make up the complete permit application are listed in APPENDIX 2.
2. Permit Modification. Any change to construction, operation or monitoring requirements of this permit may require a modification to this permit, in accordance with the provisions of Rule 62-701.320(4), F.A.C.
3. Permit Renewal. In order to ensure uninterrupted operation of this facility, a timely and sufficient permit renewal application must be submitted to the Department in accordance with Rule 62-701.320(10), F.A.C. A permit application submitted at least 61 days prior to the expiration of this permit is considered timely and sufficient.
4. Transfer of Permit or Name Change. In accordance with Rule 62-701.320(11), F.A.C., the Department must be notified in writing within 30 days: (1) of any sale or conveyance of the facility; (2) if a new or different person takes ownership or control of the facility; or (3) if the facility name is changed.

B. Construction Requirements

1. Construction Authorized. An alternative leachate collection system had been approved in permit modification SO59-0203666-005. That authorization (specifically, construction of a 2,000-gallon above-ground double-wall polyethylene (PE) holding tank to replace the direct piping to a WWTP) is included in this permit. The Department shall be notified at least 14 days prior to construction of the holding tank and associated piping.
2. General Construction Requirements. All construction of the alternative leachate collection system shall be done in accordance with the approved Construction Plans and drawings. The Department shall be notified before any changes, other than minor deviations, to the approved Construction Plan are implemented in order to determine whether a permit modification is required.
3. Certification of Construction Completion. Upon completion of construction of the leachate holding tank, the engineer of record shall certify to the Department in accordance with Rule 62-701.320(9)(b), F.A.C., that the permitted construction is complete and was done in substantial conformance with the approved construction plans except where minor deviations were necessary. All deviations shall be described in detail and the reasons therefore enumerated.
4. Approval of Certification. The certification is considered accepted if one of the following has occurred: (1) the Department has stated in writing that it has no objection

to the certification of construction completion; or (2) at least 30 days have passed since the certification was submitted and the Department has not responded in writing to the certification.

C. Operation Requirements

1. General Operating Requirements. The permittee shall operate the facility in accordance with the approved Operation Plan (APPENDIX 2, reference 1). The Department shall be notified before any changes, other than minor deviations, to the approved Operation Plan are implemented in order to determine whether a permit modification is required.
2. Authorized Waste and Material Types. The facility is authorized to manage only the following:
 - a) Class I waste as defined in Rule 62-701.200, F.A.C.
 - b) Class III waste as defined in Rule 62-701.200, F.A.C.
 - c) Recovered materials as defined in Rule 62-701.200, F.A.C.
 - d) Waste Tires as defined in Rule 62-701.200, F.A.C.
3. Unauthorized Waste Types. The facility is not authorized to accept or manage any waste types not listed in C.2. above. Any unauthorized waste inadvertently received by the facility shall be managed in accordance with the approved Operation Plan.
4. Maximum Storage Quantities. The maximum storage quantities for each waste type and recovered material type is specified in APPENDIX 3 Material Disposition (excerpt from the Operation Plan Appendix B, listed in APPENDIX 2, reference 1).
5. Facility Capacity. If the facility has reached its permitted capacity for storage of wastes or recyclable materials, the permittee shall not accept additional waste for processing until sufficient capacity has been restored.
6. Contingency Plan and Notification of Emergencies. The permittee shall notify the Department in accordance with the approved Contingency Plan. Notification shall be made to the Solid Waste Section of DEP's Central District Office at (407) 897-4100.
7. Housekeeping. The facility shall be operated to control dust, vectors, litter and objectionable odors.
8. Putrescible Wastes. Putrescible waste shall be removed for disposal within 48 hours.
9. Hazardous Waste. If any regulated hazardous wastes are discovered to be deposited at the facility, the facility operator shall promptly notify the Department, the person responsible for shipping the wastes to the facility, and the generator of the wastes, if known. The area where the wastes are deposited shall immediately be cordoned off from public access. If the generator or hauler cannot be identified, the facility operator shall assure the cleanup, transportation, and disposal of the waste at a permitted hazardous waste management

facility. In the event that hazardous wastes are discovered they shall be managed in accordance with the procedures provided in facility Operation Plan.

10. Leachate Control System. The facility shall be operated with a leachate control system to prevent discharge of leachate and avoid mixing of leachate with stormwater, and to minimize the presence of standing water. The leachate control system shall be maintained to function as designed.
11. Outside Storage of Waste. If outside containers are used to store waste they shall be covered at the end of each business day or when full or in the event of inclement weather.
12. Waste Tire Storage and Management. All waste tires will be stored as described in the Operation Plan and shall meet the fire department's standards along with the applicable storage requirements cited in Rule 62-711.540, F.A.C.
13. Operations Involving Use of Open Flames. No operations involving the use of open flames shall be conducted within 25 feet of a waste tire pile, Rule 62-711.540(1)(b), F.A.C.
14. Waste Tire Processing Requirements. At least 75% of the whole tires and used tires that are delivered to or are contained on the site at the beginning of each calendar year must be processed and removed for disposal or recycling from the facility during the year, or disposed in a permitted solid waste management facility Rule 62-711.530(3), F.A.C.
15. Waste Tire Quarterly Reports. Owners or operators of waste tire processing facilities shall submit quarterly reports to the Department that summarize the information collected under Rule 62-711.530(4), F.A.C. The reports shall be submitted on DEP Form 62-701.900(21), on the 20th of the month following the close of each calendar quarter to the Department of Environmental Protection, Central District – Solid Waste Section (DEP_CD@dep.state.fl.us) with a copy to the Department of Environmental Protection, Solid Waste Section, 2600 Blair Stone Road, Tallahassee, Florida 32399, Rule 62-711.530(5), F.A.C.

D. Water Quality Monitoring Requirements

[Not Applicable]

E. Gas Management System Requirements

[There are no gas management requirements for this facility.]

F. Closure Requirements

1. General Closure Requirements. The permittee shall close the waste processing facility in accordance with the provisions of the approved Closure Plan. The Department shall be notified before any changes, other than minor deviations, to the approved Closure Plan are implemented in order to determine whether a permit modification is required.

2. Notifications. The permittee shall notify the Department prior to ceasing operations, and shall submit a written certification to the Department when closure is complete.

G. Financial Assurance and Cost Estimates

1. Financial Assurance Mechanism. The permittee shall maintain, in good standing, the financial assurance mechanisms established to demonstrate proof of financial assurance. Support documentation and evidence of inflation adjustment increases shall be submitted within the time frames specified in Rule 62-701.630, F.A.C.

All submittals in response to this specific condition shall be sent to:

Florida Department of Environmental Protection
Financial Coordinator - Solid Waste Section
2600 Blair Stone Road, MS 4565
Tallahassee, Florida 32399-2400
solid.waste.financial.coordinator@dep.state.fl.us

2. Cost Estimates.
 - a. The permittee shall submit closure cost estimates, including annual adjustments for inflation, in accordance with the requirements of Rule 62-701.630(3) and (4), F.A.C., and 40 CFR Part 264.142(a) and .144(a) using Form 62-701.900(28).
 - b. All submittals in response to this specific condition shall be sent to the Central District Office (DEP_CD@dep.state.fl.us) and a copy to the address identified in Specific Condition F.1.

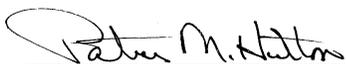
Executed in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jeff Prather
District Director, Central District

FILED, on this date, pursuant to Section 120.52, F.S. with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

May 28, 2013
Date

APPENDIX 1

General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - (a) A description of and cause of noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit or a copy thereof shall be kept at the work site of the permitted activity.
12. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;

2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.
13. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

APPENDIX 2

List of Documents Incorporated into this Permit

Documents Generated for this Permit Application:

1. Permit Renewal Application, Sanford Recycling and Transfer, Inc., dated December 17, 2012. Received and stamped December 18, 2012, DEP – Central District.
2. First Request for Additional Information from DEP – Central District dated January 9, 2013.
3. Response to First Request for Additional Information, dated February 1, 2013. Received and stamped February 5, 2013, DEP – Central District.

List of Documents Associated with Permit Modification SO59-0203666-005:

4. Minor Modification Permit Application To Operate A Waste Processing Facility, Sanford Recycling and Transfer Facility, dated October 9, 2009. Received and stamped October 12, 2009, DEP – Central District.
5. First Request for Additional Information from DEP – Central District dated November 5, 2009.
6. Response to First Request for Additional Information, Sanford Recycling and Transfer, Inc. dated November 30, 2009. Received and stamped December 3, 2009, DEP – Central District.
7. Second Request for Additional Information from DEP – Central District dated December 3, 2009.

APP. JIX B

MATERIAL DISPOSITION
SANFORD RECYCLING AND TRANSFER FACILITY
SANFORD, FLORIDA

Recovered Material or Unprocessed Waste Type	Maximum Storage Volume	Density (lbs/cy)	Covered or Uncovered	Method of Storage	Disposal / Recycling Location	Maximum Hold Time
Unprocessed Class III/C&D	1,600 cy	500	Covered	Tipping Floor	Class III Landfill	1 Week
Unprocessed Class I Putrescible	3,077 cy	650	Covered	Tipping Floor	Class I Landfill	48 Hours
Asphalt/Concrete	40 cy	4,000	Uncovered	Outside Roll-off Container	Re-Sale Public	6 Months
Cardboard (Baled & Loose)	4,247 cy - baled	650	Uncovered	Outside Storage Yard	Re-Sale Public	6 Months
	40 cy - loose	100	Covered	Inside Roll-off/Sorting Bay		
Paper (Ledger Baled & Loose)	100 cy - baled	750	Uncovered	Outside Storage Yard	Re-Sale Public	6 Months
	20 cy - loose	400	Covered	Inside Roll-off/Sorting Bay		
Metal (Steel, Pipe & Misc.)	40 cy	1000	Uncovered	Outside Roll-off Container	Re-Sale Public	6 Months
Metal (Ferrous Cans & Loose)	40 cy - baled	850	Uncovered	Outside Storage Yard	Re-Sale Public	6 Months
	20 cy - loose	150	Covered	Outside Roll-off/Sorting Bay		
Metal (Aluminum Cans Baled & Loose)	40 cy - baled	540	Uncovered	Outside Storage Yard	Re-Sale Public	6 Months
	20 cy - loose	75	Covered	Outside Roll-off/Sorting Bay		
Glass (Whole Bottles)	60 cy	600	Uncovered	Outside Roll-off/Sorting Bay	Re-Sale Public	6 Months
Plastic (Mixed Baled & Loose)	120 cy - baled	400	Uncovered	Outside Storage Yard	Re-Sale Public	6 Months
	40 cy - loose	35	Covered	Outside Roll-off/Sorting Bay		
Wood	80 cy	365	Uncovered	Outside Roll-off/Sorting Bay	Re-Sale Public	6 Months
Whole Tires	400 cy	337	Uncovered	Outside Roll-off Container	Class I Landfill	1 Year
Processed/Shredded Tires	225 cy	600	Uncovered	Outside Roll-off Container	Class I Landfill	48 Hours
Processed Tire Residuals	20 cy	500	Uncovered	Outside Roll-off Container	Class I Landfill	48 Hours
Recycling Residuals	30 cy	1,000	Covered	Outside Roll-off Container	Class I Landfill	6 Months
Waste Oil/House Hold Haz. Waste - Rejected	55 gallons	8 lbs/gal	Covered	Inside Transfer Building	Safety Kleen or Other Haz. Waste Recycler	30 Days

Notes: Storage locations are shown on the Facility Site Plan. Unprocessed Class I and III volumes based on estimated peak volumes in Section 1.1 of the Operation Plan. Volume-to-weight factor for recyclables is provided as an attachment.

APPENDIX C

Schools – 2016/2021 Five - Year Work Program

Capital Five-Year Fiscal Forecast

REVENUES	Budget 2016-2017	Forecast 2017-2018	Forecast 2018-2019	Forecast 2019-2020	Forecast 2020-2021
State sources:					
CO&DS distributed to district	\$ 310,000	\$ 310,000	\$ 310,000	\$ 310,000	\$ 310,000
Interest on undistributed CO&DS	20,000	20,000	20,000	20,000	20,000
PECO	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Other state sources	-	-	-	-	-
Total state sources	1,330,000	1,330,000	1,330,000	1,330,000	1,330,000
Local sources:					
Ad valorem taxes	46,979,859	49,798,629	52,786,547	55,953,740	59,510,964
FY01 Sales tax	19,949,660	-	-	-	-
FY17 Sales tax	19,949,660	40,697,306	41,511,252	42,341,477	43,188,307
Interest income	-	-	-	-	-
Impact fees	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Local Misc.	-	-	-	-	-
Total local sources	89,879,159	93,495,935	97,297,799	101,295,217	105,499,271
TOTAL REVENUE	91,209,159	94,825,935	98,627,799	102,625,217	106,829,271
OTHER SOURCES OF FUNDS:					
Transfers In	-	-	-	-	-
Other Financing Sources	40,000,000	-	100,000,000	-	-
Restricted Fund Balance	58,189,930	47,176,336	44,518,423	73,016,774	40,713,443
Total other sources	98,189,930	47,176,336	144,518,423	73,016,774	40,713,443
TOTAL REVENUE, OTHER SOURCES & FUND BALANCES	\$ 189,399,089	\$ 142,002,271	\$ 243,146,222	\$ 175,641,991	\$ 147,542,714
EXPENDITURES (by category)					
New Construction	\$ 23,000,000	\$ 17,000,000	\$ 64,000,000	\$ 46,000,000	\$ 27,000,000
Projects at Existing Schools & Facilities	29,340,000	33,900,000	51,700,000	36,500,000	40,500,000
Facilities Management	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Technology	19,500,000	9,000,000	9,000,000	9,000,000	9,000,000
System Wide Equipment and Vehicles	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Buses	2,687,780	2,687,780	2,687,780	2,687,780	2,687,780
Projects in Progress	23,757,341	-	-	-	-
TOTAL EXPENDITURES	103,285,121	67,587,780	132,387,780	99,187,780	84,187,780
TRANSFERS OUT:					
To General Fund	6,752,652	4,982,268	2,982,268	982,268	582,268
To Debt Service Funds	32,184,980	24,913,800	34,759,400	34,758,500	34,756,450
TOTAL TRANSFERS	38,937,632	29,896,068	37,741,668	35,740,768	35,338,718
Restricted Fund Balance	47,176,336	44,518,423	73,016,774	40,713,443	28,016,216
TOTAL EXPENDITURES, TRANSFERS & FUND BALANCES	\$ 189,399,089	\$ 142,002,271	\$ 243,146,222	\$ 175,641,991	\$ 147,542,714



Capital Five-Year Work Program

	BUDGET 2016-2017	BUDGET 2017-2018	BUDGET 2018-2019	BUDGET 2019-2020	BUDGET 2020-2021
Major Projects - New Construction					
Bonner Elm - Master Plan	\$ 1,000,000	\$ -	\$ 10,000,000	\$ 1,000,000	\$ -
Chisholm Elm - Replacement	2,000,000	13,000,000	2,000,000	-	-
Deltona Middle - Replacement	-	2,000,000	48,000,000	-	3,000,000
George Marks Elm - Replacement	-	-	2,000,000	15,000,000	2,000,000
George Marks Elm - Additional Capacity	-	-	-	10,000,000	500,000
Pierson Elm - Replacement	18,000,000	2,000,000	-	-	-
Pierson Elm - Replacement Off Site Infrastructure	2,000,000	-	-	-	-
Read Pattillo Elm - Replacement	-	-	-	2,000,000	13,000,000
Read Pattillo Elm - Additional Capacity	-	-	-	-	6,000,000
Tomoka Elm - Replacement	-	-	2,000,000	18,000,000	2,500,000
Total New Construction	23,000,000	17,000,000	64,000,000	46,000,000	27,000,000
Projects at Existing Schools & Facilities					
Atlantic HS - HVAC Renovation Bldg 5	1,450,000	-	-	-	-
Brewster Center - Phase II Renovations, Interior	-	2,000,000	-	-	-
Central Admn - Main Bldg Window Replacement	-	2,000,000	-	-	-
Creekside Mid - Central Energy Plant 2 Bldgs	1,550,000	-	-	-	-
Deltona HS - ADA Accessibility	-	-	-	2,000,000	-
Deltona Trans/Maint - Pavement Improvements	-	-	4,000,000	-	-
Enterprise Elm - Renovations	-	-	-	1,000,000	3,000,000
Galaxy Mid - Campus Wide HVAC/Ceiling/Lighting	7,200,000	-	-	-	-
Galaxy Mid - Reroof Campus	150,000	1,600,000	-	-	-
Heritage Mid - HVAC	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
New Smyrna Bch Mid - Renovations & Additions	-	-	-	-	3,000,000
Orange City Elm - Renovations & Additions	-	1,500,000	12,000,000	1,500,000	-
Ortona Elm - Renovations & Site Improvements	-	-	-	1,000,000	4,000,000
Osceola Elm - Renovations	-	-	1,500,000	10,000,000	1,500,000
Pathways Elm - Campus Reroof	100,000	1,100,000	-	-	-
Pine Ridge HS - Upgrade HVAC Bldg 5	1,140,000	-	-	-	-
Portables - Lease	100,000	100,000	100,000	100,000	100,000
Portables - Moves & Compliance	400,000	400,000	400,000	400,000	400,000
Spruce Creek HS - Campus Wide HVAC/Electrical	-	1,500,000	15,000,000	-	-
Starke Elm - Renovations	-	-	-	500,000	3,000,000
Various Facilities - Facilities Review Projects	7,750,000	9,000,000	9,000,000	9,000,000	9,000,000
Various Schools - High School Athletics	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Various Schools - Infrastructure for Technology	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Various Schools - Media Center Retrofits	500,000	500,000	500,000	500,000	500,000
Various Schools - Minor Projects	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Various Schools - Security	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Various Schools Deltona - Reclaimed Water	200,000	200,000	200,000	-	-
Westside Elm - Renovations & Addition	1,000,000	5,000,000	-	500,000	-
Woodward Elm - Renovations & Addition	-	-	-	1,000,000	5,000,000
Total Major Prjs at Existing Schools & Facilities	29,340,000	33,900,000	51,700,000	36,500,000	40,500,000
Facilities Management					
Facilities Management - Various Projects	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000





APPENDIX D

School Facilities LOS Chart

Level of Service/Utilization Charts 2016/17 - 2019/20

Southwest Planning Area												
	Actual			Projected			Projected			Projected		
	2016/2017			2017/2018			2018/2019			2019/2020		
School	Enroll	Cap	Util									
Elementary												
Deltona Lakes	826	908	91%	822	908	91%	853	908	94%	868	908	96%
Discovery	664	725	92%	672	725	93%	656	725	90%	654	725	90%
Enterprise	622	671	93%	635	671	95%	652	671	97%	656	671	98%
Forest Lake	618	733	84%	609	733	83%	585	733	80%	568	733	77%
Friendship	397	531	75%	383	531	72%	383	531	72%	386	531	73%
Osteen	506	764	66%	488	764	64%	478	764	63%	475	764	62%
Pride	540	765	71%	535	765	70%	521	765	68%	501	765	65%
Spirit	762	768	99%	752	768	98%	750	768	98%	736	768	96%
Sunrise	546	731	75%	546	731	75%	551	731	75%	543	731	74%
Timbercrest	804	722	111%	859	722	119%	914	722	127%	940	722	130%
Elementary Total	6285	7318		6301	7318		6343	7318		6327	7318	
Elementary Charter School												
Reading Star Academy	Closed											
Total												
K-8 Charter School												
Ivey Hawn Academy	808	788	103%	808	788	103%	808	788	103%	808	788	103%
Total	808	788										

Level of Service Planning Solutions:

*Ivy Hawn repeated in West and Southwest because these are the regions of major draw for enrollments

Continue to monitor enrollment and school choice applications. Redistricting may be proposed in the future.

Level of Service/Utilization Charts 2016/17 - 2019/20

Southwest Planning Area												
	Actual			Projected			Projected			Projected		
	2016/2017			2017/2018			2018/2019			2019/2020		
Middle	Enroll	Cap	Util									
Deltona	1022	1190	86%	1065	1190	89%	1118	1190	94%	1162	1190	98%
Galaxy	991	1167	85%	970	1167	83%	950	1167	81%	975	1167	84%
Heritage Middle	1198	1110	108%	1210	1110	109%	1238	1110	112%	1264	1110	114%
Middle Total	3211	3467		3245	3467		3306	3467		3401	3467	
High	Enroll	Cap	Util									
Deltona	1775	1834	97%	1774	1834	97%	1763	1834	96%	1736	1834	95%
Pine Ridge	1702	1744	98%	1708	1744	98%	1716	1744	98%	1741	1744	100%
High Total	3477	3578		3482	3578		3479	3578		3477	3578	

Level of Service Planning Solutions:

*Deltona Middle - on the 1/2 cent list for Replacement; additional capacity may be added at that time, actual capacity to be determined upon finalization of construction plans;

	Actual	Projected	Projected	Projected
Elementary	27821	27644	27914	27890
Middle	13528	13795	13986	14636
High	18770	18770	18859	18798
Charter	2188	3157	3157	3157
Volusia Virtual	168	173	173	173
Special Centers	568	568	568	568
Total Enrollment	63043	64107	64658	65223

APPENDIX E

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2015 LOS Capacity	
I-4	SR 46 to Volusia Co.	0266-S	Yes	Yes	FDOT	Yes	1.90	6	65	E+W	UA FWIS 6L + AUX	Principal Arterial - Interstate - Urban	112,000	113,000	111,000	108,000	115,000	109,500	103,000	107,500	114,500	125,500	D	113,000	1.11	D	11,860	
I-4	Seminole Co. to Dirksen Dr.	484	Yes	Yes	FDOT	Yes	3.58	6	65	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	115,500	119,500	115,000	107,500	111,500	102,500	106,500	108,000	110,000	113,000	D	93,000	1.22	E	10,060	
I-4	Dirksen Dr. to Saxon Blvd.	9906	Yes	Yes	FDOT	Yes	2.79	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	96,600	95,356	92,578	94,700	95,400	93,600	93,900	96,400	99,800	106,510	D	93,000	1.15	D	10,060	
I-4	Saxon Blvd. to SR 472	1003	Yes	Yes	FDOT	Yes	3.15	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	86,500	89,000	86,000	53,500	86,500	79,500	88,000	88,500	89,500	92,500	D	93,000	0.99	C	10,060	
I-4	SR 472 to Orange Camp Rd.	485	Yes	Yes	FDOT	Yes	2.12	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	59,500	61,500	58,000	75,000	76,000	70,500	77,500	77,000	77,000	78,000	80,500	D	93,000	0.87	C	10,060
I-4	Orange Camp Rd. to SR 44	497	Yes	Yes	FDOT	Yes	2.56	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	59,000	61,000	58,000	61,500	65,000	62,000	55,500	60,500	65,500	71,500	D	93,000	0.77	C	10,060	
I-4	SR 44 to US 92 Connector	486	Yes	Yes	FDOT	Yes	10.31	4	70	E+W	UA FWIS 4L	Principal Arterial - Interstate - Rural	53,500	54,500	56,000	56,000	56,000	54,000	55,000	55,000	55,000	56,000	57,000	C	61,500	0.93	C	5,540
I-4	US 92 Connector to I-95	491	Yes	Yes	FDOT	Yes	3.52	4	70	E+W	UA FWIS 4L	Principal Arterial - Interstate - Urban	37,500	42,500	47,500	45,500	43,000	43,000	40,000	40,000	40,000	41,000	41,500	D	61,500	0.67	B	6,700
I-95	N. of Volusia/Flagler Co. Line	255-F	Yes	Yes	FDOT	Yes		6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	65,000	-	57,700	63,200	64,700	62,500	63,200	65,100	67,300	46,500	D	93,000	0.50	B	10,060	
I-95	Flagler Co. Line/Old Dixie to US 1	496	Yes	Yes	FDOT	Yes	5.00	6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	53,000	58,500	53,000	66,000	67,000	60,500	64,500	69,500	70,500	72,500	D	93,000	0.78	C	10,060	
I-95	US 1 to SR 40	495	Yes	Yes	FDOT	Yes	5.55	6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	60,000	60,000	55,000	68,500	69,000	62,500	66,500	63,500	64,500	66,000	D	93,000	0.71	B	10,060	
I-95	SR 40 to LPGA Blvd.	534	Yes	Yes	FDOT	Yes	2.64	6	70	N+S	UA FWIS 6L + AUX	Principal Arterial - Interstate - Urban	80,500	73,000	79,000	79,500	68,000	76,000	69,500	70,000	74,000	77,000	D	113,000	0.68	B	11,860	
I-95	LPGA Blvd. to US 92	494	Yes	Yes	FDOT	Yes	3.56	6	65	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	80,000	74,000	68,000	70,000	70,500	74,500	71,500	71,500	75,500	77,000	D	93,000	0.83	C	10,060	
I-95	US 92 to Beville Rd./I-4	494	Yes	Yes	FDOT	Yes	1.26	6	65	N+S	UA FWIS 6L + AUX	Principal Arterial - Interstate - Urban	119,000	56,000	57,500	70,000	70,500	74,500	71,500	71,500	75,500	77,000	D	113,000	0.68	B	11,860	
I-95	Beville Rd./I-4 to SR 421 (Dunlawton Av.)	492	Yes	Yes	FDOT	Yes	4.57	4	70	N+S	UA FWIS 4L	Principal Arterial - Interstate - Urban	49,500	56,000	57,500	52,500	51,000	44,500	42,500	45,000	46,500	47,500	D	61,500	0.77	C	6,700	
I-95	SR 421 (Dunlawton Av.) to SR 44	133	Yes	Yes	FDOT	Yes	6.99	4	70	N+S	UA FWIS 4L	Principal Arterial - Interstate - Urban	40,400	40,119	36,377	37,400	38,000	36,600	36,900	37,700	37,000	37,000	D	61,500	0.60	B	6,700	
I-95	SR 44 to SR 442 (Indian River Blvd.)	503	Yes	Yes	FDOT	Yes	4.84	4	70	N+S	UA FWIS 4L	Principal Arterial - Interstate - Urban	28,500	33,500	34,000	32,000	32,000	31,000	31,000	31,000	32,500	35,000	D	61,500	0.59	B	6,700	
I-95	SR 442 (Indian River Blvd.) to Brevard Co.	0436-B	Yes	Yes	FDOT	Yes	11.45	4	70	N+S	RUA FW 4L	Principal Arterial - Interstate - Urban/Rural	31,500	27,000	24,500	26,000	24,500	30,500	30,000	26,500	27,500	36,000	C	43,000	0.84	C	4,510	
US 1	N. of Volusia/Flagler Co. Line	0263-F			FDOT	Yes		4	65	N+S	UA UFH 2W 4L D WL	Principal Arterial - Other - Urban	17,100	15,135	13,680	12,100	11,600	11,200	10,700	10,700	11,000	11,900	D	65,600	0.18	B	5,900	
US 1	Flagler Co. to I-95	536			FDOT	Yes	1.53	4	60	N+S	UA UFH 2W 4L D WL	Principal Arterial - Other - Urban	18,300	19,900	16,800	15,200	15,400	15,100	13,400	14,300	14,200	14,800	D	65,600	0.23	B	5,900	
US 1	I-95 to Airport Rd.	351		Yes	FDOT	Yes	2.81	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	23,000	23,000	22,500	21,500	21,500	20,500	19,400	20,200	21,000	22,500	D	39,800	0.57	C	3,580	
US 1	Airport Rd. to Nova Rd.	100		Yes	FDOT	Yes	1.13	4	55	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	30,000	31,000	29,000	25,500	25,500	26,000	22,500	25,500	26,000	26,000	D	39,800	0.65	C	3,580	
US 1	Nova Rd. to SR 40	1019		Yes	FDOT	Yes	1.83	4	55	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	19,800	18,800	18,200	17,000	16,800	16,300	16,400	16,600	17,500	18,100	D	39,800	0.45	C	3,580	
US 1	SR 40 to Hand Ave.	5142		Yes	FDOT	Yes	0.84	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	27,000	25,000	23,500	22,500	23,000	21,500	19,000	20,300	20,800	21,500	D	39,800	0.54	C	3,580	
US 1	Hand Ave. to LPGA Blvd.	1018		Yes	FDOT	Yes	2.00	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	28,500	28,500	27,000	26,000	26,000	26,000	21,500	24,000	24,500	23,500	D	39,800	0.59	C	3,580	
US 1	LPGA Blvd. to SR 430 (Mason Ave.)	1018		Yes	FDOT	Yes	1.47	4	35	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	28,500	28,500	27,000	26,000	26,000	26,000	21,500	24,000	24,500	23,500	D	32,400	0.73	D	2,920	
US 1	SR 430 (Mason Ave.) to Fairview/Main St.	5074		Yes	FDOT	Yes	0.54	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	30,000	30,000	29,000	29,500	28,500	27,000	27,000	27,500	28,000	28,000	D	32,400	0.86	D	2,920	
US 1	Fairview/Main St. to US 92/ISB	5071		Yes	FDOT	Yes	0.66	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	32,500	29,500	29,000	28,000	27,000	24,000	23,500	26,000	30,500	31,500	D	32,400	0.97	D	2,920	
US 1	US 92/ISB to Orange Ave.	5070		Yes	FDOT	Yes	0.30	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	32,000	30,000	30,000	29,000	28,000	28,000	26,000	29,000	29,000	26,500	27,500	D	32,400	0.85	D	2,920
US 1	Orange Ave. to Bellevue Ave.	5066		Yes	FDOT	Yes	0.72	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	32,500	30,500	30,500	29,500	28,500	28,000	29,500	28,000	29,500	30,500	D	39,800	0.77	C	3,580	
US 1	Bellevue Ave. to SR 400/Beville Rd.	452		Yes	FDOT	Yes	1.05	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	33,500	34,000	32,500	31,500	30,500	32,500	30,000	29,500	33,000	32,000	D	39,800	0.80	C	3,580	
US 1	SR 400/Beville Rd. to Bellewood Ave.	5063		Yes	FDOT	Yes	0.27	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	33,000	30,500	30,000	28,000	26,000	28,000	27,500	26,000	29,000	30,000	D	39,800	0.75	C	3,580	
US 1	Bellewood Ave. to Big Tree Rd.	5062		Yes	FDOT	Yes	0.45	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	31,500	29,500	30,000	28,000	27,500	26,500	24,500	27,000	29,000	30,000	D	39,800	0.75	C	3,580	
US 1	Big Tree Rd. to Reed Canal Rd.	5061		Yes	FDOT	Yes	1.17	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	33,000	30,000	31,500	29,500	29,000	27,500	25,000	28,500	27,500	28,500	D	39,800	0.72	C	3,580	
US 1	Reed Canal Rd. to SR 421 (Dunlawton Av.)	213		Yes	FDOT	Yes	1.18	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	29,500	31,000	27,500	26,000	25,500	24,500	24,500	24,500	26,500	25,000	D	39,800	0.63	C	3,580	
US 1	SR 421 (Dunlawton Av.) to Commonwealth to Nova Rd.	5057		Yes	FDOT	Yes	1.37	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	23,500	22,500	22,500	20,500	20,100	20,500	19,600	20,300	20,500	21,500	D	39,800	0.54	C	3,580	
US 1	Commonwealth to Nova Rd.	152		Yes	FDOT	Yes	1.23	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	20,500	17,000	15,800	15,200	15,800	14,100	13,800	13,900	13,200	13,800	D	39,800	0.35	C	3,580	
US 1	Nova Rd. to Art Center Ave.	13		Yes	FDOT	Yes	3.19	4	45	N+S	UA UFH 2W 4L D WL	Principal Arterial - Other - Urban	23,500	22,900	21,500	20,900	20,100	19,400	19,600	20,500	21,500	21,500	D	65,600	0.33	B	5,900	
US 1	Art Center Ave. to Turnbull Bay Rd.	5159		Yes	FDOT	Yes	2.24	4	55	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	29,000	24,500	23,500	11,600	22,500	23,500	22,500	23,500	24,500	25,500	D	39,800	0.64	C	3,580	
US 1	Turnbull Bay Rd. to Canal St. (Bus. SR 4)	5155		Yes	FDOT	Yes	1.34	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	30,000	28,000	27,500	26,000	23,500	22,500	24,500	22,000	23,000	24,000	D	39,800	0.60	C	3,580	
US																												

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2Way 2015 LOS Capacity
SR A1A - Ocean Shore Blvd.	S. 23rd St. to Volusia Co. Line	0010-F		Yes	FDOT	Yes	2.00	2	45	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	6,000	5,900	4,600	6,000	5,000	4,700	4,600	5,100	5,400	5,500	D	24,200	0.23	B	2,170
SR A1A - Ocean Shore Blvd.	Flagler Co Line to High Bridge Rd	368		Yes	FDOT	Yes	1.26	2	55	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	16,300	17,100	17,300	15,100	15,700	15,500	15,300	15,800	15,500	16,100	D	24,200	0.67	C	2,170
SR A1A - Ocean Shore Blvd.	High Bridge Rd to Ormond Mall	368		Yes	FDOT	Yes	6.42	2	55	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	16,300	17,100	17,300	15,100	15,700	15,500	15,300	15,800	15,500	16,100	D	24,200	0.67	C	2,170
SR A1A - Ocean Shore Blvd.	Ormond Mall to Neptune Ave	174		Yes	FDOT	Yes	1.69	2	40	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	16,500	16,600	17,500	16,400	15,800	15,500	15,100	15,400	15,700	16,000	D	24,200	0.66	C	2,170
SR A1A - Ocean Shore Blvd.	Neptune Ave to SR 40 (Granada Blvd.)	5125		Yes	FDOT	Yes	0.70	2	35	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	18,400	18,100	17,100	17,900	16,800	15,600	12,300	14,000	16,600	17,200	D	24,200	0.71	C	2,170
SR A1A - Atlantic Ave. North	SR 40 to Harvard Dr.	5124		Yes	FDOT	Yes	1.70	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	19,100	19,800	17,700	19,500	16,500	16,600	17,600	16,400	15,600	16,200	D	39,800	0.41	D	2,920
SR A1A - Atlantic Ave. North	Harvard Dr. to SR430/Seabreeze Blvd.)	5121		Yes	FDOT	Yes	2.53	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	20,000	24,000	20,000	18,500	17,000	17,100	16,400	17,800	18,200	18,900	D	39,800	0.47	D	2,920
SR A1A - Atlantic Ave. North	SR 430/Seabreeze Blvd. to SR430/Oak	5117		Yes	FDOT	Yes	0.12	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	16,700	24,300	16,600	17,900	19,800	20,800	17,100	15,200	16,300	16,800	D	39,800	0.42	D	2,920
SR A1A - Atlantic Ave. North	SR 430/Oakridge Blvd. to US 92/ISB	5115		Yes	FDOT	Yes	0.90	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	15,400	21,500	23,500	17,400	17,800	15,200	16,500	15,300	16,400	D	39,800	0.41	D	2,920	
SR A1A - Atlantic Ave. South	US 92 to Silver Beach Ave.	5112		Yes	FDOT	Yes	0.69	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	13,300	15,400	13,300	12,800	12,200	11,200	12,000	12,700	11,900	12,300	D	39,800	0.31	C	2,920
SR A1A - Atlantic Ave. South	Silver Beach Ave. to Florida Shores	436		Yes	FDOT	Yes	2.34	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	19,500	18,900	10,500	11,400	10,100	10,700	10,400	12,500	11,900	12,700	D	39,800	0.32	C	2,920
SR A1A - Atlantic Ave. South	Florida Shores to Van Ave.	5179		Yes	FDOT	Yes	1.29	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	13,900	14,900	16,900	11,800	16,100	13,800	11,400	12,800	13,200	13,700	D	39,800	0.34	C	2,920
SR A1A - Atlantic Ave. South	Van Ave. to SRA1A/Dunlawton Ave.	477		Yes	FDOT	Yes	1.05	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	18,800	13,000	16,700	15,800	15,500	13,700	11,200	12,500	11,800	12,200	D	39,800	0.31	C	2,920
SR A1A - Dunlawton Ave.	SR A1A/Atlantic Ave. to US 1	427		Yes	FDOT	Yes	1.25	4	35	E+W	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	29,000	29,500	30,000	27,000	24,500	27,000	26,000	26,000	28,000	30,000	D	39,800	0.75	D	2,920
SR 5A - Nova Rd.	US 1 to Wilmette Ave.	459		Yes	FDOT	Yes	1.00	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	15,900	14,700	14,000	13,400	12,800	12,800	12,300	12,400	13,100	13,600	D	59,900	0.34	C	3,580
SR 5A - Nova Rd.	Wilmette Ave. to SR 40	518		Yes	FDOT	Yes	0.51	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	24,500	26,000	24,500	23,000	24,000	23,500	23,500	24,500	24,500	24,500	D	59,900	0.41	C	3,580
SR 5A - Nova Rd.	SR 40 to Hand Ave.	510		Yes	FDOT	Yes	1.15	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	29,000	29,500	29,000	27,500	26,500	24,000	28,500	27,500	25,500	26,500	D	59,900	0.44	C	3,580
SR 5A - Nova Rd.	Hand Ave. to LPGA Blvd.	528		Yes	FDOT	Yes	2.06	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	31,000	31,000	30,500	29,000	29,000	28,000	28,500	26,000	28,500	27,500	D	59,900	0.46	C	3,580
SR 5A - Nova Rd.	LPGA Blvd. to SR 430/Mason Blvd	366		Yes	FDOT	Yes	1.47	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	31,500	31,000	32,500	30,000	29,500	27,500	27,000	25,500	26,500	28,500	D	59,900	0.48	C	3,580
SR 5A - Nova Rd.	SR 430/Mason Ave. to US 92/ISB	5088		Yes	FDOT	Yes	1.22	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	35,000	35,000	32,000	33,500	32,000	30,000	30,000	31,000	31,500	31,000	D	59,900	0.52	C	3,580
SR 5A - Nova Rd.	US 92/ISB to Bellevue Ave.	5090		Yes	FDOT	Yes	1.07	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	38,500	38,000	38,000	34,500	35,000	32,500	32,000	33,000	32,500	34,500	D	59,900	0.58	C	3,580
SR 5A - Nova Rd.	Bellevue Ave. to SR 400/Beville Rd.	348		Yes	FDOT	Yes	1.00	6	50	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	39,000	38,000	37,000	34,500	35,000	34,000	33,000	33,000	33,000	34,500	D	59,900	0.59	C	3,580
SR 5A - Nova Rd.	SR 400/Beville Rd. to Big Tree	363		Yes	FDOT	Yes	0.70	6	50	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	30,000	28,500	29,000	27,500	28,500	27,000	25,500	26,500	26,500	26,500	D	59,900	0.44	C	3,580
SR 5A - Nova Rd.	Big Tree to Madeline Ave.	363		Yes	FDOT	Yes	1.61	5	50	N+S	UA SSAC1 2W 5L D WL	Principal Arterial - Other - Urban	30,000	28,500	29,000	27,500	28,500	27,000	25,500	26,500	26,500	26,500	D	49,850	0.53	C	4,490
SR 5A - Nova Rd.	Madeline Ave to SR 421/Dunlawton Ave	1017		Yes	FDOT	Yes	1.30	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	26,000	26,000	26,500	26,500	27,000	26,500	25,500	26,000	27,000	28,000	D	39,800	0.70	C	3,580
SR 5A - Nova Rd.	SR 421/Dunlawton Ave. to Spruce Creek	1016		Yes	FDOT	Yes	1.08	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	25,500	24,500	24,500	25,000	25,500	23,500	25,000	24,500	26,000	27,000	D	39,800	0.68	C	3,580
SR 5A - Nova Rd.	Spruce Creek Rd. to US 1	458		Yes	FDOT	Yes	1.44	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	17,400	16,900	17,100	16,700	16,900	16,800	16,300	16,800	17,900	17,200	D	39,800	0.43	C	3,580
SR 11	CR 304 (in Flagler Co.) to SR 40	0009-F			FDOT	Yes	2.42	2	60	N+S	RUA UFH 2W 2L U OL	Principal Arterial - Other - Rural	3,000	3,200	2,600	2,400	2,200	2,000	2,200	2,100	2,400	2,400	C	6,300	0.38	B	590
SR 11	SR 40 to CR 15A	527			FDOT	Yes	9.19	2	60	N+S	RUA UFH 2W 2L U OL	Principal Arterial - Other - Rural	3,000	3,100	2,700	2,600	2,600	2,700	2,700	2,800	2,900	3,100	C	6,300	0.49	B	590
SR 11	CR 15A to US 17	4			FDOT	Yes	2.45	2	55	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	7,200	6,800	6,900	6,400	6,000	6,100	6,000	6,300	6,200	6,400	D	24,200	0.26	B	2,170
SR 15A	US 17 to Glenwood Rd.	466	Yes		FDOT	Yes	1.11	4	50	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	10,900	11,400	10,600	10,800	10,700	10,300	10,200	10,600	10,500	10,900	D	37,900	0.29	C	3,580
SR 15A	Glenwood Rd. to CR 92	465	Yes		FDOT	Yes	1.20	4	50	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	13,700	15,100	13,800	14,000	13,800	13,100	13,600	13,400	14,000	D	37,900	0.37	C	3,580	
SR 15A	CR 92 to Plymouth Ave.	537	Yes	Yes	FDOT	Yes	0.83	4	50	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	23,000	23,500	22,500	22,000	22,000	22,500	18,900	21,500	20,800	21,500	D	37,900	0.57	C	3,580
SR 15A	Plymouth Ave. to SR 44/New York Ave.	463	Yes	Yes	FDOT	Yes	1.01	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	27,000	26,000	26,500	25,500	23,500	21,900	23,000	23,000	25,000	25,000	D	37,900	0.66	C	3,580
SR 15A	SR 44/New York Ave. to Beresford Ave.	474	Yes		FDOT	Yes	1.00	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	24,500	24,500	23,500	22,500	22,500	21,500	21,000	22,000	22,000	24,000	D	37,900	0.63	C	3,580
SR 15A	Beresford Ave. to New Hampshire Ave.	6	Yes		FDOT	Yes	0.59	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	24,000	22,900	21,000	20,000	19,200	21,000	20,500	21,000	20,100	23,000	D	37,900	0.61	C	3,580
SR 15A	New Hampshire Ave. to US 17/92	1005	Yes		FDOT	Yes	1.17	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	22,500	22,000	21,000	21,000	19,100	19,700	19,000	20,500	21,000	21,900	D	37,900	0.58	C	3,580
SR 40	W. of the St. Johns River	0050-L	Yes		FDOT	Yes		2	45	E+W	RDA UFH 2W 2L U WL	Principal Arterial - Other - Rural	8,700	8,300	7,200	7,500	7,100	6,800	6,400	7,300	8,000	8,700	C	16,400	0.53	B	1,550
SR 40	Lake County to Emporia Rd.	533	Yes	Yes	FDOT	Yes	0.86	2	55	E+W	RDA UFH 2W 2L U WL	Principal Arterial - Other - Rural	7,600	8,700	7,600	7,700	6,800	7,000	6,800	7,000	6,800	7,000	C	16,400	0.43	B	1,550
SR 40	Emporia Rd. to US 17	344	Yes	Yes	FDOT	Yes	5.58	2	55	E+W	RDA UFH 2W 2L U WL	Principal Arterial - Other - Rural	7,500	8,300	7,200	7,000	6,500	6,500	6,600	5,900	6,200	7,600	C	16,400			

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2Way 2015 LOS Capacity
SR 430 - Mason Ave.	SR 483/Clyde Morris Blvd. to SR 5A/Nova Rd.	5197		Yes	FDOT	Yes	0.99	4	35	E+W	UA SSAC2 2W 4L U 0L	Minor Arterial - Urban	19,600	20,300	20,300	20,100	18,200	18,200	17,800	18,200	18,500	19,000	D	24,300	0.78	D	2,190
SR 430 - Mason Ave.	SR 5A/Nova Rd. to US 1	5197		Yes	FDOT	Yes	1.08	4	35	E+W	UA SSAC2 2W 4L U 0L	Minor Arterial - Urban	19,600	20,300	20,300	20,100	18,200	18,200	17,800	18,200	18,500	19,000	D	24,300	0.78	D	2,190
SR 430 - Mason Ave.	US 1 to Beach St.	5197		Yes	FDOT	Yes	0.30	4	35	E+W	UA SSAC2 2W 4L D WL	Minor Arterial - Urban	19,600	20,300	20,300	20,100	18,200	18,200	17,800	18,200	18,500	19,000	D	32,400	0.59	D	2,920
SR 430 - Oakridge Blvd. - EB	Beach St. to Peninsula Dr	5194			FDOT	Yes	0.70	2	40	E+W	UA SSAC1 1W 2L D WL	Minor Arterial - Urban	6,700	6,400	7,000	5,800	6,000	5,500	5,300	5,600	5,900	6,400	D	23,880	0.27	C	2,150
SR 430 - Oakridge Blvd. - EB	Peninsula Dr to SR A1A/Atlantic	5195			FDOT	Yes	0.28	2	40	E+W	UA SSAC1 1W 2L D WL	Minor Arterial - Urban	4,600	5,300	5,500	5,500	4,800	4,700	3,600	4,100	4,200	4,400	D	23,880	0.18	C	2,150
SR 430 - Seabreeze Bridge - WB	Beach St. to Peninsula Dr	5186		Yes	FDOT	Yes	1.01	2	40	E+W	UA SSAC1 1W 2L D WL	Minor Arterial - Urban	7,800	7,300	7,900	7,600	6,700	8,100	7,100	7,200	6,400	6,600	D	23,880	0.28	C	2,150
SR 430 - Seabreeze Bridge - WB	Peninsula Dr to SR A1A/Atlantic	5191		Yes	FDOT	Yes	0.29	2	30	E+W	UA SSAC2 1W 2L D WL	Minor Arterial - Urban	4,800	5,900	6,500	6,300	5,000	5,300	4,300	4,900	4,900	5,100	D	19,440	0.26	C	1,400
SR 441 - Peninsula Dr.	US 92/ISB to Silver Beach Ave.	5187			FDOT	Yes	0.65	2	35	N+S	UA SSAC1 2W 2L U WL	Minor Arterial - Urban	12,100	11,100	10,600	9,900	9,400	8,700	9,400	9,300	8,300	8,700	D	17,700	0.49	C	1,600
SR 441 - Peninsula Dr.	Silver Beach Ave. to Florida Shores	5187			FDOT	Yes	2.34	2	35	N+S	UA SSAC1 2W 2L U WL	Minor Arterial - Urban	12,100	11,100	10,600	9,900	9,400	8,700	9,400	9,300	8,300	8,700	D	17,700	0.49	C	1,600
SR 441 - Peninsula Dr.	Florida Shores to SR A1A/Dunlawton	5188			FDOT	Yes	2.42	2	40	N+S	UA SSAC1 2W 2L U WL	Minor Arterial - Urban	7,100	6,700	6,600	6,100	6,000	5,600	5,300	5,400	5,600	5,400	D	17,700	0.31	C	1,600
SR 442 - Indian River Blvd.	I-95 to Air Park Rd.	170		Yes	FDOT	Yes	2.09	4	55	E+W	UA SSAC1 2W 4L D WL	Minor Arterial - Urban	10,000	9,647	8,972	9,200	9,300	8,900	9,500	9,920	10,200	10,800	D	39,800	0.27	C	3,580
SR 442 - Indian River Blvd.	Air Park Rd. to US 1	5190		Yes	FDOT	Yes	1.69	4	45	E+W	UA SSAC1 2W 4L D WL	Minor Arterial - Urban	20,200	17,300	17,800	16,800	17,700	16,400	16,100	16,800	16,400	17,000	D	39,800	0.43	C	3,580
SR 472	US 17/92 to CR 4101/MLK Blvd	472			FDOT	Yes	2.31	4	60	E+W	UA UFH 2W 4L D WL	Principal Arterial - Other - Urban	21,400	20,800	18,900	19,200	20,200	19,700	20,100	21,000	21,400	23,000	D	65,600	0.35	B	5,900
SR 472	CR 4101/MLK Blvd to I-4 (end of state rd)	535			FDOT	Yes	1.10	4	60	E+W	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	28,000	27,000	25,500	24,000	24,500	22,000	24,500	24,000	25,500	26,500	D	39,800	0.67	C	3,580
SR 483 - Clyde Morris Blvd.	SR 430 (Mason Ave.) to US 92/ISB	5182			FDOT	Yes	1.20	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	20,500	20,500	18,400	17,700	18,300	20,000	18,100	18,900	20,000	20,000	D	37,800	0.53	C	3,400
SR 483 - Clyde Morris Blvd.	US 92/ISB to Aviation Ctr Pkwy/Bellevue	5193			FDOT	Yes	1.20	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	34,000	32,000	31,500	26,500	31,000	30,500	27,000	26,000	32,500	32,000	D	37,800	0.85	C	3,400
SR 483 - Clyde Morris Blvd.	Aviation Ctr Pkwy/Bellevue to SR 400/B	5193			FDOT	Yes	0.98	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	34,000	32,000	31,500	26,500	31,000	30,500	27,000	26,000	32,500	32,000	D	37,800	0.85	C	3,400
6th St.	Derbyshire Rd. to SR 5A/Nova Rd	11			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	3,470	3,640	2,970	2,610	2,820	2,980	2,780	2,710	2,750	2,900	E	13,640	0.21	C	1,020
8th St. (DAY)	Derbyshire Rd. to SR 5A/Nova Rd	21			City	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	3,670	3,950	3,330	3,090	2,850	2,790	2,530	-	-	-	D	13,640	-	-	960
13th St.	Derbyshire Rd. to SR 5A/Nova Rd	31			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,250	2,520	2,360	1,900	2,060	2,090	1,600	1,700	1,760	1,620	E	13,640	0.12	C	1,020
Adelle Ave.	Beresford Ave. to New Hampshire Ave.	43			County	No	0.50	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	2,970	3,540	2,310	2,850	2,290	2,530	2,410	2,650	2,640	-	E	13,640	-	-	1,020
Adelle Ave.	New Hampshire Ave. to SR 15A	41			County	No	0.50	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	650	780	590	300	270	320	320	330	330	-	E	13,640	-	-	1,020
Air Park Rd.	Park Ave. to Ragis Rd	52			County	Yes	0.87	2	40	N+S	UA UFH 2W 2L U 0L	Minor Collector - Urban	1,410	1,920	2,080	2,030	1,700	2,030	2,100	2,270	2,420	2,330	E	24,975	0.09	B	2,240
Air Park Rd.	Ragis Rd. to SR 442	50			County	Yes	0.55	2	40	N+S	UA UFH 2W 2L U 0L	Minor Collector - Urban	910	1,440	1,740	1,340	1,840	1,470	1,840	2,060	2,100	2,150	E	24,975	0.09	B	2,240
Airport Rd. (OB)	Tymber Creek Rd. to Pineland Tr.	60			County	Yes	2.05	2	35	E+W	UA UFH 2W 2L U 0L	Major Collector - Urban	4,930	5,590	4,910	5,630	5,290	5,020	5,680	5,230	4,880	5,080	E	24,975	0.20	B	2,240
Airport Rd. (OB)	Pineland Tr. to Sunshine Blvd.	62			County	Yes	1.40	2	45	N+S	UA UFH 2W 2L U 0L	Major Collector - Urban	4,760	4,970	4,360	4,490	4,460	4,400	5,040	4,670	4,960	4,090	E	24,975	0.16	B	2,240
Airport Rd. (OB)	Sunshine Blvd. to US 1	63			County	Yes	0.30	2	35	E+W	UA UFH 2W 2L U 0L	Major Collector - Urban	6,330	6,700	7,380	7,190	6,640	6,780	7,640	7,090	7,360	6,460	E	24,975	0.26	C	2,240
Airport Rd. (PO)	Williamson Blvd to Pioneer Tr.	64			County	Yes	2.50	2	45	N+S	UA UFH 2W 2L U WL	Major Collector - Urban	5,290	5,330	5,430	5,410	5,440	6,000	6,180	6,040	6,120	7,890	E	33,300	0.23	B	2,990
Airport Rd. (NSB)	Pioneer Tr. to Luna Bella Ln	67			City	Yes	3.30	2	45	N+S	UA UFH 2W 2L U WL	Major Collector - Urban	-	-	-	2,730	2,690	3,110	3,300	3,320	3,550	3,930	E	34,965	0.11	B	3,140
Airport Rd. (NSB)	Luna Bella Ln to SR 44	68			City	Yes	3.30	2	45	N+S	UA UFH 2W 2L D WL	Major Collector - Urban	-	-	-	2,730	1,040	2,250	2,610	2,770	3,270	3,760	E	34,965	0.11	B	3,140
Amelia Ave.	US 92 to Plymouth Ave.	77			County	Yes	0.85	2	35	N+S	UA NSSRC2 2W 2L U WL	Major Collector - Urban	7,370	6,960	7,710	7,920	7,340	6,610	6,080	6,700	6,980	6,050	E	14,040	0.43	C	1,270
Amelia Ave.	Plymouth Ave. to Minnesota Ave.	75			County	Yes	0.50	2	30	N+S	UA NSSRC2 2W 2L U WL	Major Collector - Urban	11,950	12,920	12,030	12,620	11,570	10,610	10,230	10,590	10,630	9,170	E	14,040	0.65	D	1,270
Amelia Ave.	Minnesota Ave. to Ohio Ave.	74			County	Yes	0.15	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	11,650	12,500	11,680	12,300	11,440	10,310	10,260	10,380	9,310	E	13,640	0.68	D	1,020	
Amelia Ave.	Ohio Ave. to SR 44	73			County	Yes	0.15	4	30	N+S	UA NSSRC2 2W 4L U 0L	Major Collector - Urban	12,420	12,300	11,080	11,900	10,810	10,380	10,580	10,650	10,430	9,410	E	22,820	0.41	C	2,060
Amelia Ave. (DL)	SR 44 to Voorhis Ave.	71			City	No	0.25	4	30	N+S	UA NSSRC2 2W 4L U 0L	Major Collector - Urban	10,610	9,750	8,950	9,570	9,260	8,590	8,920	9,669	-	-	E	22,820	-	-	2,060
Amelia Ave. (DL)	Voorhis Ave. to Beresford Ave.	70			City	No	0.75	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	8,390	7,670	6,770	7,280	6,650	7,000	7,070	6,940	-	-	E	13,640	-	-	1,020
Anderson Dr./Cloverleaf Blvd. (DE)	Cloverleaf Blvd. to Providence Blvd.	DEL-85			City	No	1.00	2	35	N+S	UA NSSRC2 2W 2L U 0L	n/c	3,250	2,943	-	-	-	-	-	-	3,030	3,030	D	10,660	0.28	C	960
Ariel Rd.	Beacon Light Rd. to US 1	91			County	No	1.20	2	35	E+W	RUA UFH 2W 2L U 0L	n/c	680	590	530	530	500	560	540	540	540	640	C	6,300	0.10	B	590
Arredondo Grant Rd.	Spring Garden Ranch Rd. to James St.	100			County	Yes	0.60	2	30	E+W	RUA UFH 2W 2L U 0L	Major Collector - Urban/Rural	1,160	1,090	980	1,130	1,050	1,100	1,140	1,020	1,000	-	C	6,300	-	-	590
Arredondo Grant Rd.	James St. to SR 11	101			County	Yes	2.00	2	35	E+W	RUA UFH 2W 2L U 0L	Major Collector - Rural	590	550	460	460	450	510	580	600	610	-	C	6,300	-	-	590
Atlantic Ave. (DBS)	SR A1A/Dunlawton Ave. to Phillis Ave.	115		Yes	County	Yes	0.40	4	35	N+S	UA NSSRC2 2W 4L D WL	Minor Collector - Urban	17,620	14,180	11,530	12,400	14,380	9,170	13,680	13,050	12,920	14,770	E	30,420	0.49	D	2,740
Atlantic Ave. (DBS)	Phillis Ave. to Marcelle Ave.	113		Yes	County	Yes	0.75	2	35	N+S	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	13,370	11,280	9,360	10,110	12,930	8,250	11,990	11,780	11,450	11,850	E	14,740	0.80	D	1,330

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2Way 2015 LOS Capacity	
Big Tree Rd.	Magnolia Ave. to Kenilworth Ave.	195			County	Yes	0.45	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	12,120	13,530	11,640	11,180	11,310	10,850	10,160	9,290	10,010	9,970	E	14,740	0.68	D	1,330	
Big Tree Rd.	Kenilworth Ave. to US 1	196			County	Yes	0.55	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	8,400	9,450	9,260	8,190	7,010	7,270	6,790	6,570	6,970	8,930	E	14,740	0.61	D	1,330	
Bill France Blvd. (DAY)	Clyde Morris Blvd. to Mason Ave.	202			City	No	0.38	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Collector - Urban	6,830	7,850	7,050	5,750	5,850	5,230	4,970	5,140	5,030	-	D	35,820	0.00	A	3,220	
Bill France Blvd. (DAY)	Mason Ave. to Dunn Ave.	201			City	No	0.63	4	40	N+S	UA NSSRC1 2W 4L D WL	Minor Collector - Urban	10,580	11,820	11,290	8,930	8,930	7,960	7,790	7,960	8,160	-	D	35,820	0.00	A	3,220	
Bill France Blvd. (DAY)	Dunn Ave. to US 92	200			City	No	0.60	4	35	N+S	UA NSSRC2 2W 4L U WL	Minor Collector - Urban	13,740	15,020	13,920	10,260	11,410	10,250	10,750	11,270	11,270	-	D	27,700	0.00	A	2,500	
Blackburn Rd.	CR 3 to Emporia Rd	211			County	No	1.25	2	35	N+S	RUA UFH 2W 2L U OL	Minor Collector - Rural	680	750	660	730	560	550	550	550	550	560	640	C	6,300	0.10	B	590
Blackwelder Rd.	Lake Winona Rd. to SR 11	221			County	No	3.25	2	35	E+W	RUA UFH 2W 2L U OL	n/c	400	420	200	240	190	180	180	170	170	170	220	C	6,300	0.03	B	590
Blue Lake Ave.	Plymouth Ave. to Minnesota Ave.	237			County	Yes	1.00	2	40	N+S	UA NSSRC1 2W 2L U OL	Major Collector - Urban	3,960	7,690	5,460	5,090	5,100	5,780	5,380	5,200	5,670	5,680	E	13,640	0.42	C	1,230	
Blue Lake Ave.	Minnesota Ave. to SR 44	236			County	Yes	0.55	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	3,650	5,320	4,230	3,920	3,760	4,330	4,190	4,060	4,500	3,880	E	13,640	0.28	C	1,020	
Blue Lake Ave.	SR 44 to Voothis Ave.	235			County	Yes	0.25	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	2,900	3,760	3,000	3,260	3,200	3,480	3,520	3,370	3,520	3,550	E	13,640	0.26	C	1,020	
Blue Lake Ave.	Voothis Ave. to Beresford Ave.	234			County	Yes	0.75	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	3,710	4,690	4,140	3,950	3,940	4,180	4,310	4,010	3,750	4,480	E	13,640	0.33	C	1,020	
Blue Lake Ave.	Beresford Ave. to Taylor Rd.	232			County	Yes	1.05	2	45	N+S	UA NSSRC1 2W 2L U OL	Major Collector - Urban	4,840	6,260	5,280	4,970	4,890	5,200	5,730	5,440	5,820	5,080	E	13,640	0.37	C	1,230	
Blue Lake Ave.	Taylor Rd. to Orange Camp Rd.	231			County	Yes	1.05	2	45	N+S	UA NSSRC1 2W 2L U WL	Major Collector - Urban	3,440	5,440	4,290	4,190	4,130	4,110	4,250	3,980	4,180	-	E	17,050	-	-	1,540	
Blue Springs Av (West)	Sparkman Dr to Lawton Dr	239			County	No	0.60	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	-	7,260	6,940	7,710	6,120	5,830	5,410	5,080	5,460	4,020	E	13,640	0.29	C	1,020	
Brownlee Rd.	Raulerson Rd. #1 to Raulerson Rd.	240			County	No	1.70	2	35	N+S	RUA UFH 2W 2L U OL	n/c	210	250	140	100	260	140	180	180	190	160	C	6,300	0.03	B	590	
Captain Dr. (DEL)	Lake Helen-Osteen Rd. to Snow Dr	DLT-15.000			City	No	0.50	2	35	E+W	UA NSSRC2 2W 2L U OL	n/c	4,700	6,113	4,912	-	-	-	-	-	-	-	E	13,640	-	-	0	
Captain Dr. (DEL)	Snow Dr to Courtland Blvd.	DLT-15.010			City	No	1.00	2	35	E+W	UA NSSRC2 2W 2L U OL	n/c	2,240	3,562	3,340	-	-	-	-	-	-	-	E	13,640	-	-	0	
Cardinal Blvd.	SR 421/Dunlawton Ave. to Demotte Ave	245																				1,280	E	13,640	0.09	C	1,020	
Cardinal Blvd.	Demotte Ave. to Marcelle Ave	260			County	No	0.15	2	30	N+S	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,780	3,370	4,530	4,630	4,830	5,090	5,160	4,740	4,740	5,230	E	13,640	0.38	C	1,020	
Cardinal Blvd.	Marcelle Ave to Major St.	261			County	No	2.00	2	30	N+S	UA NSSRC2 2W 2L U OL	n/c	430	1,120	1,100	940	940	790	870	730	820	880	E	13,640	0.06	C	1,020	
Carter Rd.	SR 11 to Marsh Rd.	270			County	No	1.75	2	40	E+W	UA NSSRC1 2W 2L U OL	n/c	1,540	1,340	1,400	1,470	1,540	1,400	1,460	1,420	1,520	-	E	13,640	-	-	1,230	
Cassadaga Rd.	W. Volusia Bldwy. to Macy Ave.	280			County	Yes	1.80	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	2,410	2,380	1,670	2,170	2,100	1,970	2,190	2,010	1,900	2,260	E	13,640	0.17	C	1,230	
Catalina Blvd. (DEL)	Wolfpack Run to Howland Blvd.	DLT-20.010			City	No	1.00	2	35	N+S	UA OCCRAC1 2W 2L U OL	n/c	4,000	4,116	3,161	-	-	-	-	-	-	3,060	3,060	D	10,660	0.29	C	960
Catalina Blvd. (DEL)	Howland Blvd. to Sixma Rd.	DLT-20.020			City	No	0.50	2	35	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	12,750	15,799	12,089	-	-	-	-	11,700	12,590	12,590	D	10,660	1.18	E	960	
Catalina Blvd. (DEL)	Sixma Rd. to Lake Helen-Osteen Rd.	DLT-20.030			City	No	0.40	2	35	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	10,120	9,401	10,733	-	-	-	-	9,780	10,630	10,630	D	10,660	1.00	D	960	
Clara Ave.	Beresford Ave. to New Hampshire Ave.	303			County	No	0.50	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	2,490	2,840	2,390	1,350	1,910	2,070	2,040	2,270	2,200	-	E	13,640	-	-	1,020	
Clara Ave.	New Hampshire Ave. to SR 15A	301			County	No	0.50	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	1,570	1,800	1,780	1,410	1,540	1,640	1,640	1,850	1,870	-	E	13,640	-	-	1,020	
Clifton Rd.	Lake Winona Rd. to SR 11	311			County	No	1.70	2	30	E+W	RUA UFH 2W 2L U OL	n/c	180	250	180	200	180	190	160	170	160	170	C	6,300	0.03	B	590	
Clyde Morris Blvd.	SR 40 to Hand Ave	348			County	Yes	0.80	4	35	N+S	UA NSSRC2 2W 4L D WL	Principal Arterial - Other - Urban	16,380	18,450	12,060	12,220	13,030	12,340	11,940	11,230	11,670	12,230	E	30,420	0.40	C	2,740	
Clyde Morris Blvd.	Hand Ave. to LPGA Blvd.	343			County	Yes	1.50	4	50	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	15,640	17,500	11,790	11,970	13,000	14,070	13,560	12,280	13,520	13,440	E	37,970	0.35	C	3,410	
Clyde Morris Blvd.	LPGA Blvd. to Bill France Blvd.	341			County	Yes	1.25	4	50	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	15,920	17,890	12,700	12,660	13,690	13,450	12,880	12,290	13,370	14,540	E	37,970	0.38	C	3,410	
Clyde Morris Blvd.	Bill France Blvd. to Mason Ave.	338			County	Yes	0.60	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	14,390	16,700	12,420	12,610	13,630	13,140	12,310	11,990	12,960	13,930	E	37,970	0.37	C	3,410	
Clyde Morris Blvd./SR 483	SR 430/Mason Ave. to US 92	5182			FDOT	Yes	1.20	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	20,500	20,500	18,400	17,700	18,300	20,000	18,100	18,900	20,000	20,000	D	37,800	0.53	C	3,400	
Clyde Morris Blvd./SR 483	US 92 to Beville Rd.	5193			FDOT	Yes	2.00	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	34,000	32,000	31,500	26,500	31,000	30,500	27,000	26,000	32,500	32,000	D	37,800	0.85	C	3,400	
Clyde Morris Blvd.	Beville Rd. to Big Tree Rd.	337			County	Yes	0.90	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	25,470	28,340	24,640	23,350	23,290	24,600	22,880	21,790	23,460	21,760	E	37,970	0.57	C	3,410	
Clyde Morris Blvd.	Big Tree Rd. to Madeline Ave.	335			County	Yes	1.00	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	25,040	27,880	22,640	21,970	23,010	24,200	22,260	20,800	22,910	25,110	E	37,970	0.66	C	3,410	
Clyde Morris Blvd.	Madeline Ave. to Willow Run Blvd.	333			County	Yes	1.30	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	24,690	27,290	25,290	21,200	22,130	22,750	21,460	20,000	21,710	20,770	E	37,970	0.55	C	3,410	
Clyde Morris Blvd.	Willow Run Blvd. to SR 421/Dunlawton	332			County	Yes	0.65	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	22,760	24,710	19,550	19,810	19,890	21,310	19,060	18,420	19,280	21,080	E	37,970	0.56	C	3,410	
Clyde Morris Blvd.	SR 421/Dunlawton Ave to Taylor Rd.	330			County	Yes	0.95	2	40	N+S	UA NSSRC1 2W 2L U WL	Minor Arterial - Urban	11,390	12,870	8,730	10,300	10,530	10,060	9,900	9,190	9,390	8,810	E	17,050	0.52	C	1,540	
Commonwealth Blvd.	Spruce Creek Rd. to Orange Ave.	360			County	No	0.55	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	5,900	6,410	6,620	5,210	5,380	5,250	5,450	5,220	5,180	5,460	E	13,640	0.40	D	1,020	
Commonwealth Blvd.	Orange Ave. to US 1	361			County	No	0.35	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	3,730	4,120	3,970	3,460	3,590	3,670	3,540	3,530	3,620	3,890	E	13,640	0.29	C	1,020	
CR 3	US 17 to Washington Ave.	386			County	Yes	2.20	2	35	N+S	RDA UFH 2W 2L U OL	Minor Collector - Rural	1,200	1,320	1,250	1,220	1,200	1,040	1,100	1,060	1,250	1,160	C	12,300	0.09	B	1,160	
CR 3	Washington Ave. to Emporia Rd	384			County	Yes	1.20	2	30	N+S	RDA UFH 2W 2L U OL	Minor Collector - Rural	2,070	2,320	1,740	1,980	1,870	1,650	1,680	1,680	1,580	1,750	C	12,300	0.14	B	1,160	
CR 3	Emporia Rd to SR 40	382			County	Yes	3.40	2																				

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2Way 2015 LOS Capacity
Dirksen/DeBary/Doyle	Enterprise St. to Main St.	482			County	Yes	0.15	4	35	E+W	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	20,070	19,980	17,150	16,970	22,090	23,180	23,030	22,400	24,130	25,060	E	30,420	0.82	D	2,740
Dirksen/DeBary/Doyle	Main St. to Providence Blvd.	484			County	Yes	0.80	4	35	E+W	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	22,160	21,930	19,300	18,560	19,280	20,230	21,260	20,460	20,600	23,820	E	30,420	0.78	D	2,740
Dirksen/DeBary/Doyle	Providence Blvd. to Garfield Rd.	485			County	Yes	1.20	2	40	E+W	UA NSSRC1 2W 2L U OL	Minor Arterial - Urban	12,340	13,250	11,660	11,570	10,670	11,700	12,400	11,960	11,960	13,120	E	13,640	0.96	E	1,230
Dirksen/DeBary/Doyle	Garfield Rd. to Saxon Blvd.	530			County	Yes	1.50	2	40	E+W	UA NSSRC1 2W 2L U OL	Minor Arterial - Urban	10,030	10,760	9,120	9,670	7,590	9,420	9,580	9,220	9,240	9,660	E	13,640	0.71	C	1,230
Dirksen/DeBary/Doyle	Saxon Blvd. to Courtland Blvd.	531			County	Yes	2.55	2	45	E+W	UA NSSRC1 2W 2L U OL	Minor Arterial - Urban	9,170	9,020	8,180	8,870	8,720	7,880	8,020	7,800	7,670	8,860	E	13,640	0.65	C	1,230
Dirksen/DeBary/Doyle	Courtland Blvd. to SR 415	533			County	Yes	1.50	2	40	E+W	UA NSSRC1 2W 2L U OL	Minor Arterial - Urban	5,730	6,700	5,830	6,370	5,800	6,020	5,950	5,680	5,450	5,330	E	13,640	0.39	C	1,230
Dunn/George Engram/Fairview/Ma	Tomoka Farms Rd. to Williamson Blvd.	716			County	Yes	0.75	2	40	E+W	UA NSSRC1 2W 2L U WL	Major Collector - Urban	-	-	-	-	1,220	1,660	1,800	2,350	3,020	E	17,050	0.18	C	1,540	
Dunn/George Engram/Fairview/Ma	Williamson Blvd. to Bill France Blvd.	717			County	Yes	1.00	2	40	E+W	UA NSSRC1 2W 2L U WL	Major Collector - Urban	-	-	-	6,140	6,150	5,910	6,530	6,760	6,940	5,870	E	17,050	0.34	C	1,540
Dunn/George Engram/Fairview/Ma	Bill France Blvd. to Clyde Morris Blvd.	718 (DB-54)			County	Yes	0.85	2	35	E+W	UA NSSRC2 2W 2L U WL	Minor Arterial - Urban	16,618	19,622	13,264	12,430	12,740	11,350	11,530	11,350	12,080	-	E	14,040	-	-	1,270
Dunn/George Engram/Fairview/Ma	Clyde Morris Blvd. to Nova Rd.	719 (DB-46)			County	Yes	1.00	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	13,190	13,780	13,770	11,410	11,590	10,550	10,400	10,150	10,730	10,640	E	37,970	0.28	C	3,410
Dunn/George Engram/Fairview/Ma	Nova Rd. to US 1	720			County	Yes	1.20	4	35	E+W	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	11,760	12,880	11,330	11,790	12,090	10,430	10,310	10,230	10,830	9,640	E	30,420	0.32	C	2,740
Dunn/George Engram/Fairview/Ma	US 1 to Beach St	631			County	Yes	0.40	2	30	E+W	UA NSSRC2 2W 2L U WL	Minor Arterial - Urban	5,640	6,200	5,590	5,500	5,670	5,570	5,060	5,380	4,990	5,880	E	14,040	0.42	C	1,270
Dunn/George Engram/Fairview/Ma	Beach St. to Peninsula Dr.	1170			County	Yes	0.60	2	30	E+W	UA NSSRC2 2W 2L U WL	Minor Arterial - Urban	7,080	7,650	7,050	6,220	6,710	6,980	6,330	6,560	6,190	8,020	E	14,040	0.57	D	1,270
Dunn/George Engram/Fairview/Ma	Peninsula Dr. to SR A1A	1171			County	Yes	0.35	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Arterial - Urban	6,250	6,770	6,640	5,360	5,870	6,010	5,700	5,540	5,210	E	13,640	0.31	C	1,020	
Elkcam Blvd. (DEL)	Normandy Blvd. to Ft. Smith Blvd.	DLT-45.000			City	No	1.50	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	10,153	5,142	-	-	-	-	7,500	7,850	7,850	D	10,660	0.74	D	960
Elkcam Blvd. (DEL)	Ft. Smith Blvd. to Providence Blvd.	DLT-45.010			City	No	1.00	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	7,158	4,805	-	-	-	-	6,130	6,280	6,280	D	10,660	0.59	D	960
Elkcam Blvd. (DEL)	Providence Blvd. to Montecito Ave.	DLT-45.020			City	No	1.05	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	11,751	11,772	-	-	-	-	10,080	10,170	10,170	D	10,660	0.95	D	960
Elkcam Blvd. (DEL)	Montecito Ave. to Howland Blvd.	DLT-45.040			City	No	1.00	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	5,591	10,554	-	-	-	-	9,930	10,230	10,230	D	10,660	0.96	D	960
Elkcam Blvd. (DEL)	Howland Blvd. to Lake Helen-Osteen Rd	DLT-45.050			City	No	0.15	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	-	6,968	13,766	-	-	-	-	10,530	10,750	10,750	D	13,990	0.77	D	1,260
Elkcam Blvd. (DEL)	Lake Helen-Osteen Rd to Courtland Blvd	DLT-45.060			City	No	0.70	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	-	4,736	8,571	-	-	-	-	6,900	7,190	7,190	D	10,660	0.67	D	960
Elkcam Blvd. (DEL)	Courtland Blvd. to Riverhead Dr.	DLT-45.080			City	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U OL	n/c	-	592	943	-	-	-	-	480	500	500	D	10,660	0.05	C	960
Emporia Rd.	SR 40 to Peterson/Blackburn	560			County	Yes	3.00	2	40	N+S	RUA UFH 2W 2L U OL	Minor Collector - Rural	920	1,030	800	850	860	690	720	690	660	-	C	6,300	-	-	590
Emporia Rd.	Peterson/Blackburn to RUS 17	564			County	Yes	1.45	2	40	E+W	RUA UFH 2W 2L U OL	Minor Collector - Rural	1,540	1,640	1,210	1,420	1,880	1,280	1,230	1,320	1,060	-	C	6,300	-	-	590
Enterprise Ave. (NSB)	Pioneer Tr. to Halleck St.	570			County	Yes	0.10	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	7,400	7,110	7,500	7,210	7,640	7,460	7,000	7,740	7,900	8,210	E	13,640	0.60	D	1,020
Enterprise Rd.	US 17/92 to Harley Strickland Blvd.	586			County	Yes	0.50	4	35	N+S	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	24,250	23,270	23,090	23,210	22,160	22,090	20,900	19,330	20,650	20,860	E	30,420	0.69	D	2,740
Enterprise Rd.	Harley Strickland Blvd. to Saxon Blvd.	585			County	Yes	0.50	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	24,860	25,370	24,100	25,340	23,250	23,670	22,790	20,710	22,110	23,120	E	37,970	0.61	C	3,410
Enterprise Rd.	Saxon Blvd. to Highbanks Rd.	584			County	Yes	1.55	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	20,510	23,270	23,150	24,490	23,470	23,660	23,750	21,590	23,790	20,550	E	37,970	0.54	C	3,410
Enterprise Rd.	Highbanks Rd. to Deltona Blvd.	582			County	Yes	0.50	4	35	N+S	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	14,090	15,750	14,720	14,990	12,530	15,330	14,620	14,110	15,010	15,820	E	30,420	0.52	D	2,740
Enterprise Rd.	Deltona Blvd. to Main St.	581			County	Yes	1.10	2	35	N+S	UA NSSRC2 2W 2L U WL	n/c	6,310	6,860	5,990	6,100	7,030	7,800	7,150	7,270	7,390	7,050	E	14,040	0.50	D	1,270
Enterprise-Osteen Rd.	Providence to Garfield Rd	600			County	Yes	1.50	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,970	2,790	2,580	2,480	2,570	2,690	2,470	2,470	2,490	2,630	E	10,220	0.26	C	1,020
Enterprise-Osteen Rd.	Garfield Rd to Reed Ellis Rd.	601			County	Yes	1.70	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,960	2,020	1,870	1,840	1,750	1,850	1,690	1,690	1,760	1,960	E	10,220	0.19	C	1,020
Enterprise-Osteen Rd.	Reed Ellis Rd. to SR 415	602			County	Yes	2.50	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,270	1,350	1,150	1,210	1,050	1,160	1,080	1,160	1,140	1,250	E	10,220	0.12	C	1,020
Euclid Ave.	Grand to Fatio Rd.	610			County	No	0.25	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,570	1,860	1,200	1,220	1,190	1,190	1,080	1,150	1,030	1,130	E	13,640	0.08	C	1,020
Euclid Ave.	Fatio Rd. to Woodward Ave.	611			County	No	0.25	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,640	1,950	1,370	1,380	1,340	1,360	1,270	1,330	1,220	1,360	E	13,640	0.10	C	1,020
Euclid Ave.	Woodward Ave. to SR 15A	612			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,860	3,400	2,300	2,390	2,270	2,310	2,300	2,290	2,140	2,280	E	13,640	0.17	C	1,020
Euclid Ave.	SR 15A to Adelle Ave.	613			County	No	0.75	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,790	3,310	2,500	2,740	2,520	2,440	2,510	2,430	2,380	2,450	E	13,640	0.18	C	1,020
Euclid Ave.	Adelle Ave. to US 17/92	614			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,850	2,140	2,080	1,940	2,180	2,150	2,200	2,150	2,210	-	E	13,640	-	-	1,020
Eustace Ave. (DEL)	Catalina Blvd. to Providence Blvd	DLT-55.010			City	No	0.85	2	30	E+W	UA NSSRC2 2W 2L U OL	n/c	-	3,639	4,199	-	-	-	-	3,480	3,770	3,770	D	10,660	0.35	C	960
Flagler Ave. (NSB)	N. Causeway to Peninsula Ave.	640			FDOT	Yes	0.40	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Arterial - Urban	8,310	7,960	8,270	8,820	9,100	8,560	9,500	-	-	11,080	E	13,640	0.81	E	1,020
Flagler Ave. (NSB)	Peninsula Ave. to Atlantic Ave.	641			City	Yes	0.40	2	20	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	4,740	4,500	4,740	5,120	5,420	5,050	4,130	-	-	6,380	E	13,640	0.47	D	1,020
Flomich St.	Derbyshire Rd. to SR 5A/Nova Rd.	650			County	Yes	0.30	2	30	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	5,600	6,210	5,890	4,980	5,520	5,450	5,570	5,430	5,140	4,900	E	13,640	0.36	C	1,020
Flomich St.	SR 5A/Nova Rd. to US 1				City	No	1.40	2	25	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	-	-	-	-	-	-	-	-	-	E	13,640	-	-	1,020
Fort Florida Rd.	Highbanks Rd. to Ft. Florida Point Rd.	661			City	No	1.75	2	35	N+S	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,190	1,130	950	1,150	970	1,090	1,080	1,170	1,020	-	E	13,640	-	-	1,020
Fort Florida Rd.	FL Florida Point																										

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2Way 2015 LOS Capacity	
Hand Ave. (OB)	Nova Rd. to US 1	834			City	Yes	1.90	2	25	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	11,730	8,480	7,860	7,270	7,670	8,080	5,360	-	-	-	E	13,640	-	-	1,020	
Harley Strickland Blvd. (OC)	Enterprise Rd. to Veteran's Memorial Pk	841			City	No	1.35	2	35	E+W	UA NSSRC2 2W 2L U WL	Major Collector - Urban	11,460	13,760	12,190	12,110	12,770	12,390	11,850	11,760	-	-	-	E	14,040	-	-	-
Hazen Rd.	Mercers Fernery Rd. to Plymouth Ave.	852			County	Yes	1.50	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	850	880	620	630	590	720	700	800	820	680	E	13,640	0.05	C	1,020	
Hazen Rd.	Plymouth Ave. to SR 44	850			County	Yes	1.00	2	40	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	1,370	1,480	1,190	1,130	1,130	1,050	1,240	1,250	1,400	1,480	E	13,640	0.11	C	1,230	
Highbanks Rd. (DB)	Fort Florida Rd. to Westside Connector	860			City	No	1.75	2	40	E+W	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	1,950	1,980	2,100	2,260	1,880	1,810	1,840	2,120	1,760	7,880	D	12,740	0.62	C	1,150	
Highbanks Rd. (DB)	Westside Connector to US 17/92	861			City	No	1.00	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	10,850	10,550	9,700	10,380	9,600	10,010	9,840	9,860	7,870	D	10,660	0.74	D	960		
Highbanks Rd. (DB)	US 17/92 to Enterprise Rd.	863			City	No	1.45	2	40	E+W	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	7,420	7,990	7,420	7,070	6,800	7,360	7,370	7,380	-	-	-	D	12,740	-	-	1,150
Highbridge Rd.	Walter Boardman Ln. to John Anderson	871			County	Yes	1.60	2	30	E+W	RDA UFH 2W 2L U 0L	Major Collector - Rural	2,010	2,010	1,950	2,370	2,130	1,830	2,100	1,750	2,020	2,480	C	12,300	0.20	C	1,090	
Highbridge Rd.	John Anderson Dr. to SR A1A	872			County	Yes	0.20	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	1,580	1,610	1,560	1,920	1,730	1,520	1,780	1,490	1,660	2,170	E	13,640	0.16	C	1,020	
Hill Ave./Jacobs Rd.	US 92 to Plymouth Ave.	950			County	Yes	0.85	2	40	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	4,910	5,770	5,580	5,100	6,190	5,870	5,190	5,820	5,900	6,170	E	13,640	0.45	C	1,230	
Hill Ave. (DL)	Plymouth Ave. to Minnesota Ave.	885			City	Yes	0.50	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	4,980	5,590	4,410	4,700	4,340	5,240	5,020	4,890	5,210	-	-	E	13,640	-	-	1,020
Hill Ave. (DL)	Minnesota Ave. to SR 44	883			City	Yes	0.50	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	4,380	4,680	3,690	3,800	3,810	4,060	4,010	3,800	-	-	-	E	13,640	-	-	1,020
Hill Ave.	SR 44 to Voorhis Ave.	882			County	Yes	0.25	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	2,760	2,870	2,230	2,290	2,400	2,530	2,780	2,540	2,760	-	-	E	13,640	-	-	1,020
Hill Ave.	Voorhis Ave. to Beresford Ave.	881			County	Yes	0.75	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	2,310	2,450	2,050	2,080	2,130	2,310	2,370	2,200	2,510	-	-	E	13,640	-	-	1,020
Hill Ave.	Beresford Ave. to Taylor Rd.	878			County	Yes	1.00	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	-	-	-	-	-	430	480	550	820	-	-	E	13,640	-	-	1,020
Hontoon Rd.	Old New York Ave. to Botts Landing Rd.	891			County	No	1.15	2	40	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	3,330	3,570	2,990	2,930	2,930	3,050	2,840	2,820	2,990	3,180	C	13,640	0.23	C	1,090	
Hontoon Rd.	Botts Landing Rd. to end of road	890			County	No	2.00	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	980	1,060	850	780	920	870	790	840	880	1,000	C	13,640	0.07	C	470	
Howland Blvd.	I-4/SR 472 to Wolf Pack Run	901			FDOT	Yes	0.40	4	45	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	34,200	31,910	29,950	28,290	30,330	30,490	29,890	27,480	30,590	36,570	E	37,970	0.96	E	3,410	
Howland Blvd.	Wolf Pack Run to Catalina Blvd.	903			County	Yes	1.15	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	30,200	28,810	26,660	25,260	27,640	28,010	27,440	25,280	27,770	31,520	E	37,970	0.83	C	3,410	
Howland Blvd.	Catalina Blvd. to Providence Blvd.	905			County	Yes	0.35	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	23,670	22,660	20,700	19,640	21,390	22,110	21,930	20,070	22,700	23,710	E	37,970	0.62	C	3,410	
Howland Blvd.	Providence Blvd. to Elkcam Blvd.	906			County	Yes	2.10	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	14,610	16,590	14,620	13,380	15,390	16,890	14,140	15,140	15,140	16,430	16,780	E	13,640	1.23	F	1,230
Howland Blvd.	Elkcam Blvd. to Lake Helen-Osteen Rd.	908			County	Yes	0.30	4	45/40	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	18,200	17,460	15,020	15,250	15,030	15,300	15,620	14,220	15,090	16,530	E	37,970	0.44	C	3,410	
Howland Blvd.	Lake Helen-Osteen Rd. to Newmark Dr.	909			County	Yes	0.70	4	40	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	21,180	20,890	17,810	16,330	19,340	20,350	20,990	19,330	19,990	19,690	E	37,970	0.52	C	3,410	
Howland Blvd.	Newmark Dr. to Courtland Blvd.	911			County	Yes	1.15	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	16,580	16,820	14,860	13,640	16,250	16,640	16,990	15,600	15,490	16,060	E	37,970	0.42	C	3,410	
Howland Blvd.	Courtland Blvd. to Ft Smith Blvd.	913			County	Yes	1.80	2	45	N+S	UA NSSRC1 2W 2L U WL	Minor Arterial - Urban	11,280	12,690	11,160	11,570	12,820	13,280	12,920	11,770	11,240	10,990	E	17,050	0.64	C	1,540	
Howland Blvd.	Ft Smith Blvd. to SR 415	915			County	Yes	0.65	2	45	N+S	UA NSSRC1 2W 2L U WL	Minor Arterial - Urban	8,220	11,730	11,870	11,580	12,770	12,650	12,180	12,530	12,960	14,030	E	17,050	0.82	C	1,540	
India Blvd. (DEL)	Fort Smith Blvd. to Humphrey Blvd.	DLT-80.000			City	No	2.06	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	-	6,106	3,750	-	-	-	-	3,520	4,120	4,120	D	10,660	0.39	C	960	
India Blvd. (DEL)	Humphrey Blvd. to Courtland Blvd.	DLT-80.010			City	No	2	35	E+W	UA OCCRAC1 2W 2L U 0L	n/c	-	4,459	3,501	-	-	-	-	4,390	4,390	D	10,660	0.41	C	960			
Indian Lake Rd.	Tiger Bay Rd. to US 92	935			County	No	0.80	2	40	N+S	UA NSSRC1 2W 2L U 0L	n/c	5,880	7,250	6,340	5,380	5,020	6,090	5,550	5,180	5,150	5,870	E	12,740	0.46	C	1,230	
Jimmy Ann Dr. (DAY)	LPGA Blvd. to Clyde Morris Blvd.	962			City	No	0.30	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	7,430	8,330	8,660	7,890	8,470	7,520	7,650	7,680	6,980	-	-	D	12,740	-	-	1,150
Jimmy Ann Dr. (DAY)	Clyde Morris Blvd. to Mason Ave.	960			City	No	0.15	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	5,730	4,760	4,700	4,460	4,900	4,380	4,000	4,070	3,890	-	-	D	12,740	-	-	1,150
John Anderson Dr.	Highbridge Rd. to Lynnhurst	974			County	Yes	7.40	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	4,420	5,180	3,430	4,080	3,880	3,590	3,960	4,570	3,240	3,700	E	13,640	0.27	C	1,020	
John Anderson Dr.	Lynnhurst to Halifax Dr	972			County	Yes	0.85	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	6,150	6,890	5,550	5,620	5,220	5,390	5,520	6,730	5,180	-	-	E	13,640	0.38	C	1,020
John Anderson Dr. (OB)	Halifax Dr. to Neptune	971			City	Yes	1.00	2	25	N+S	n/c	4,510	5,070	3,690	3,560	3,620	3,610	3,950	-	-	-	-	E	13,640	-	-	1,020	
John Anderson Dr. (OB)	Neptune to SR 40	970			City	Yes	1.00	2	25	N+S	UA NSSRC2 2W 2L U 0L	n/c	6,460	7,120	5,430	5,550	5,110	5,060	5,930	-	-	-	-	E	13,640	-	-	1,020
John Anderson Hwy.	Walter Boardman Lane to Flagler Co.	990			County	Yes	1.00	2	5 NB / 30 S	N+S	RDA UFH 2W 2L U 0L	Minor Collector - Rural	1,060	1,060	1,110	1,040	960	1,000	1,140	900	950	1,150	C	12,300	0.09	B	1,150	
Josephine St/10th St.	Old Mission Rd. to Tatum Blvd.	1000			County	Yes	0.30	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	6,310	6,370	5,610	6,370	6,000	5,810	5,860	5,910	5,820	4,830	E	13,640	0.35	C	1,020	
Josephine St/10th St. (NSB)	Tatum Blvd. to US 1	1002			City	Yes	1.80	2	35	E+W	UA NSSRC2 2W 2L U WL	Major Collector - Urban	6,930	6,920	6,870	7,400	7,310	7,350	7,140	-	-	4,940	E	14,040	-	-	1,270	
Kathy Dr. (N. Penin.)	John Anderson Dr. to SR A1A	1011			County	No	0.44	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	400	390	430	420	470	420	460	470	460	410	E	13,640	0.03	C	1,020	
Kennedy Pkwy (Old SR 3)	US 1 to Park Entrance	1020			Federal	No	4.00	2	55	E+W	RUA UFH 2W 2L U 0L	Major Collector - Rural	950	830	1,000	930	1,040	700	660	-	-	-	-	C	6,300	-	-	590
Kicklighter Rd.	Macy Ave. to Lake Helen-Osteen/Preval	1051			County	Yes	0.75	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,520	1,640	1,760	1,770	1,930	2,080	1,810	1,690	1,680	1,820	E	13,640	0.13	C	1,020	
Lake George Rd.	Bream Dr. to US 17	1062			County	No	3.90	2	30	E+W	RUA UFH 2W 2L U 0L	n/c	940	1,080	990	1,010	780	860	820	740	780	810	C	6,300	0.13	B	590	
Lake Helen-Osteen Rd.	Kicklighter Rd. to Captain Dr.	1076			County	Yes	1.40	2	40	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	7,810	8,290	6,290	7,310	7,020	7,030	6,570	6,750	6,760	6,990	E	13,640	0.51	D	1,020	
Lake Helen-Osteen Rd.</																												

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2Way 2015 LOS Capacity	
Marsh Rd.	Carter Rd. to US 92	1180			County	Yes	2.05	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,920	2,730	2,140	2,140	2,430	2,330	2,340	2,390	2,230	2,840	E	13,640	0.21	C	1,020	
Mason Ave.	Williamson Blvd. to Fentress Blvd.	1190			County	Yes	0.60	2	45	E+W	UA NSSRC1 2W 2L D WL	Minor Arterial - Urban	9,490	10,860	9,090	8,400	8,360	8,300	8,450	8,650	8,380	10,670	E	17,900	0.60	C	1,620	
Mason Ave.	Fentress Blvd. to Bill France Blvd.	1191			County	Yes	0.50	2	40	E+W	UA NSSRC1 2W 2L D WL	Minor Arterial - Urban	11,660	11,550	10,700	10,680	10,580	9,320	9,760	8,460	9,870	12,340	E	17,900	0.69	C	1,620	
Mason Ave.	Bill France Blvd. to Jimmy Ann Dr.	1193			County	Yes	0.30	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	13,750	13,830	13,250	12,140	12,900	11,750	12,520	11,660	11,550	13,030	E	37,970	0.34	C	3,410	
Mason Ave.	Jimmy Ann Dr. to SR 483/Clyde Morris B	1194			County	Yes	0.50	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	14,650	16,230	13,510	13,150	13,530	12,120	12,330	11,940	11,820	13,340	E	37,970	0.35	C	3,410	
Maytown Rd.	New Smyrna Blvd. to Pell Rd.	1196			County	No	5.60	2	50	E+W	RDA UFH 2W 2L U 0L	Minor Collector - Rural	3,450	3,370	3,120	3,360	3,120	3,350	3,270	3,120	2,730	3,400	C	12,300	0.28	B	1,160	
Maytown Rd.	Pell Rd. to Beacon Light Rd.	1198			County	No	12.90	2	45	E+W	RUA UFH 2W 2L U 0L	Minor Collector - Rural	1,110	720	660	670	650	730	600	700	690	780	C	6,300	0.12	B	590	
Maytown Rd./Halifax Ave. (OH)	Beacon Light Rd. to US 1	790			County	Yes	1.10	2	35	E+W	RDA UFH 2W 2L U 0L	Minor Collector - Rural	1,770	1,990	1,380	1,650	1,650	1,770	1,680	1,620	1,720	1,730	C	12,300	0.14	B	1,160	
McBride Rd.	US 17 to Lake George Rd.	1200			County	No	3.00	2	35	N+S	RUA UFH 2W 2L U 0L	n/c	380	380	270	290	310	300	220	220	250	250	C	6,300	0.04	B	590	
McGregor Rd.	Westside Con./Fatio to Spring Garden A	1210			County	Yes	0.70	2	40	E+W	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	-	-	-	-	-	1,600	1,600	1,570	1,610	-	E	13,640	-	-	1,230	
McGregor Rd.	Spring Garden Ave. to US17/92	1211			County	Yes	1.40	2	40	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	5,440	5,580	4,990	4,730	4,600	8,110	8,850	6,250	7,630	3,900	E	13,640	0.29	C	1,230	
Mercers Fernery Rd.	Glenwood Rd. to SR 15A	1221			County	Yes	1.45	2	35	E+W	UA NSSRC2 2W 2L U 0L	n/c	2,340	2,380	830	910	860	980	950	1,010	920	-	E	13,640	-	-	1,020	
Mercers Fernery Rd.	SR 15A to US 17	1223			County	Yes	1.25	2	35	E+W	UA NSSRC2 2W 2L U 0L	n/c	1,470	1,530	1,170	1,350	1,370	1,580	1,520	1,470	1,420	-	E	13,640	-	-	1,020	
Midway Ave.	Williamson Blvd. to US 92	1230			County	Yes	2.00	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Collector - Urban	2,840	3,210	3,310	2,420	2,530	2,380	2,440	2,630	2,450	3,280	E	37,970	0.09	C	3,410	
Minnesota Ave. (DeLand)	Grand Ave. to SR 15A	1245			County	Yes	1.35	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,860	1,950	2,230	2,670	2,670	2,650	2,850	2,800	3,440	3,340	E	13,640	0.24	C	1,020	
Minnesota Ave. (DeLand)	SR 15A to US 17/92	1247			County	Yes	1.25	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,840	1,990	1,110	1,240	1,090	1,100	900	970	1,220	-	E	13,640	-	-	1,020	
Minnesota Ave. (DeLand)	Amelia Ave. to Hill Ave	1249			County	Yes	0.75	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	1,690	1,850	1,970	2,280	2,170	2,300	2,110	2,060	2,080	-	E	13,640	-	-	1,020	
Minnesota Ave. (DeLand)	Hill Ave. to Blue Lake Ave.	1250			County	Yes	0.50	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	2,070	2,230	2,630	2,840	2,680	2,770	2,650	2,520	2,680	-	E	13,640	-	-	1,020	
Minnesota Ave. (DeLand)	Blue Lake Ave. to Kepler Rd.	1251			County	Yes	0.85	2	40	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	3,370	3,550	4,270	4,500	3,530	4,530	4,170	4,000	3,390	4,420	E	13,640	0.32	C	1,230	
Minnesota Ave. (Orange City)	Sparkman Ave. to US 17/92	1241			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	2,040	2,280	2,090	1,860	1,810	1,930	1,950	2,090	2,150	-	E	13,640	-	-	1,020	
Minnesota Ave. (Orange City)	US 17/92 to Leavitt Ave.	1242			County	No	0.50	2	25	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,520	1,700	1,500	1,400	1,470	1,360	1,390	1,410	1,380	-	E	13,640	-	-	1,020	
Minnesota Ave. (Orange City)	Leavitt Ave. to SR 472	1243			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,320	1,430	1,430	1,340	1,430	1,170	1,180	1,230	1,240	-	E	13,640	-	-	1,020	
New Hampshire Ave.	SR 15A to Adelle Ave	1270			County	No	0.15	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,550	2,610	2,080	2,110	2,210	2,280	2,260	2,470	2,720	-	E	13,640	-	-	1,020	
New Hampshire Ave.	Adelle Ave. to Clara Ave.	1271			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	3,050	3,200	2,550	2,540	2,480	2,630	2,780	2,760	3,070	-	E	13,640	-	-	1,020	
New Hampshire Ave.	Clara Ave. to US 17/92	1272			County	No	0.25	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	3,200	3,390	2,580	2,640	2,640	2,790	2,850	2,830	3,180	-	E	13,640	-	-	1,020	
Newmark Dr. (DEL)	Ft Smith Blvd. to Humphrey Blvd.	DLT-100.000			City	No	1.60	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	8,066	7,061	-	-	-	-	-	8,060	6,900	6,900	D	10,660	0.65	D	960
Newmark Dr. (DEL)	Humphrey Blvd. to Howland Blvd	DLT-100.020			City	No	0.90	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	7,046	6,452	-	-	-	-	-	6,370	7,160	7,160	D	10,660	0.67	D	960
Newmark Dr. (DEL)	Howland Blvd. to Courtland Blvd.	DLT-100.040			City	No	0.75	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	-	6,875	1,434	-	-	-	-	-	1,110	1,340	1,340	D	10,660	0.13	C	960
New York Ave. (Orange City)	Westside Pkwy/Hamilton Ave. to Sparkm	1281			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	4,340	4,730	4,490	3,750	3,850	4,230	3,880	3,990	4,190	-	E	13,640	-	-	1,020	
New York Ave. (Orange City)	Sparkman Ave. to Carpenter Ave	1283			County	No	0.30	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	5,160	5,700	5,350	4,560	4,770	5,230	4,990	4,850	4,860	-	E	13,640	-	-	1,020	
New York Ave. (Orange City)	Carpenter Ave. to US 17/92	1284			County	No	0.25	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	6,320	6,500	6,030	5,300	5,580	6,090	5,640	5,770	6,010	6,270	E	13,640	0.46	D	1,020	
New York Ave. (Lake Helen)	Summit Ave. to Lakeview Dr.	1285			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,100	1,160	910	850	920	900	970	890	900	1,010	C	13,640	0.07	C	470	
Normandy Blvd. (DEL)	Graves (old Howland) to Rhode Island A	DLT-105.000			City	No	1.25	2	45	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	-	6,786	4,411	-	-	-	-	7,100	8,140	8,140	D	12,740	0.64	C	1,150	
Normandy Blvd. (DEL)	Rhode Island Ave. to Elkcam Blvd.	DLT-105.000			City	No	0.50	2	30	N+S	UA NSSRC2 2W 4L D WL	Major Collector - Urban	-	6,439	4,893	-	-	-	-	6,890	7,520	7,520	D	29,160	0.26	C	2,630	
Normandy Blvd. (DEL)	Elkcam Blvd. to Saxon Blvd	DLT-105.030			City	No	1.00	4	35	N+S	UA NSSRC2 2W 4L D WL	Major Collector - Urban	-	13,100	10,694	-	-	-	-	7,530	10,850	10,850	D	29,160	0.37	C	2,630	
Normandy Blvd. (DEL)	Saxon Blvd. to Deltona Blvd	DLT-105.050			City	No	0.70	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	12,775	10,996	-	-	-	-	10,230	10,630	10,630	D	10,660	1.00	D	960	
Normandy Blvd. (DEL)	Deltona Blvd. to Tivoli Dr.	DLT-105.070			City	No	1.10	3	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	12,843	11,929	-	-	-	-	9,560	10,100	10,100	D	10,660	0.95	D	960	
Normandy Blvd. (DEL)	Tivoli Dr. to Providence Blvd	DLT-105.090			City	No	0.90	3	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	12,069	8,305	-	-	-	-	6,850	7,100	7,100	D	10,660	0.67	D	960	
Normandy Blvd. (DEL)	Providence Blvd. to Saxon Blvd	DLT-105.120			City	No	1.00	2	35	N+S	UA NSSRC2 2W 2L D WL	Major Collector - Urban	-	8,662	8,148	-	-	-	-	7,020	7,310	7,310	D	13,990	0.52	D	1,260	
Normandy Blvd. (DEL)	Saxon Blvd. to Ft Smith Blvd	DLT-105.140			City	No	0.75	2	35	E+W	UA NSSRC2 2W 2L D WL	Major Collector - Urban	-	7,640	11,232	-	-	-	-	10,720	11,270	11,270	D	13,990	0.81	D	1,260	
Ohio Ave. (LH)	Macy Ave. to Lakeview Dr.	1320			County	Yes	0.20	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	710	790	690	610	710	640	730	680	650	770	C	13,640	0.06	C	470	
Old Dixie Hwy.	I-95 to Old Kings Rd.	1334			County	Yes	0.60	2	45	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	8,390	8,230	7,720	7,250	7,750	7,480	7,430	7,260	7,190	8,710	E	13,640	0.64	C	1,230	
Old Dixie Hwy.	Old Kings Rd. to Walter Boardman Ln.	1333			County	Yes	0.55	2	45	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	3,750	3,870	3,300	3,490	3,210	3,080	3,390	2,990	3,410	3,840	E	13,640	0.28	C	1,230	
Old Dixie Hwy.	Walter Boardman Ln. to Pine Tree Dr.	1332			County	Yes	5.10	2	45	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban																

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2Way 2015 LOS Capacity
Pioneer Tr.	Turnbull Bay Rd. to Sugar Mill Dr	1467			County	Yes	1.75	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,850	2,950	2,790	2,670	2,840	2,800	2,780	3,040	3,200	3,380	E	13,640	0.25	C	1,020
Pioneer Tr.	Sugar Mill Dr. to Williams Rd.	1471			County	Yes	1.45	2	40	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	4,200	3,630	3,560	4,360	3,920	4,230	4,280	4,710	4,960	4,970	E	13,640	0.36	C	1,230
Pioneer Tr.	Williams Rd. to Enterprise Ave	1473			County	Yes	1.05	2	40	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	5,460	5,430	5,320	5,830	5,300	5,240	4,910	5,150	5,570	6,010	E	13,640	0.44	C	1,230
Pioneer Tr.	Enterprise Ave. to Jungle Rd	1474			County	Yes	0.50	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	8,850	9,410	8,600	8,870	8,380	8,220	7,300	7,280	8,100	8,320	E	13,640	0.61	D	1,020
Pioneer Tr.	Jungle Rd to Canal St.	1475			County	Yes	0.25	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	2,120	2,080	2,390	2,630	1,910	1,940	2,120	2,420	2,130	2,610	E	13,640	0.19	C	1,020
Wallace Rd.	Canal St to SR 44	1955			County	Yes	0.25	3	35	N+S	UA NSSRC2 2W 2L D WL	Major Collector - Urban	7,610	8,750	8,020	8,260	7,700	7,550	7,540	7,600	7,660	7,350	E	14,740	0.50	D	1,330
Mission Dr.	SR 44 to Old Mission Rd.	1261			County	Yes	0.75	4	40	N+S	UA NSSRC1 2W 4L D WL	Major Collector - Urban	14,920	15,200	14,310	14,190	12,420	14,180	11,730	11,780	11,910	10,510	E	37,970	0.28	C	3,410
Old Mission Rd./Mission Rd.	Old Mission Rd. to Josephine St.	1354			County	Yes	0.75	4	40	N+S	UA NSSRC1 2W 4L D WL	Major Collector - Urban	12,470	13,630	12,250	12,570	12,270	11,920	11,390	11,580	11,730	11,020	E	37,970	0.29	C	3,410
Old Mission Rd.	Josephine St. to Park Ave	1353			County	Yes	1.70	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	7,430	8,040	7,530	7,250	6,920	7,230	6,280	6,360	6,420	6,820	E	10,220	0.67	D	1,020
Old Mission Rd.	Park Ave. to SR 442	1351			County	Yes	2.00	2	45	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	4,640	5,480	4,400	4,380	4,190	4,250	3,920	4,030	3,780	3,850	E	13,640	0.28	C	1,230
Plantation Oaks Blvd.	Old Dixie Highway				County	No	1.92	0		E+W	UA NSSRC2 2W 2L U WL	n/c	-	-	-	-	-	-	-	-	-	-	E	14,040	Built NOT Open		
Plaza Dr. (N. Penin.)	John Anderson Dr. to SR A1A	1481			County	No	1.00	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	240	200	200	190	280	370	230	370	290	250	E	13,640	0.02	C	1,020
Plymouth Ave.	Grand Ave. to Hazen Rd.	1490			County	Yes	1.00	2	40	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	1,440	1,710	1,360	1,280	1,150	1,080	1,030	1,020	1,010	-	E	13,640	-	-	1,230
Plymouth Ave.	Hazen Rd. to SR 15A	1491			County	Yes	0.75	2	40	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	4,860	5,480	5,520	5,790	5,830	5,760	5,120	5,560	5,990	4,640	E	13,640	0.34	C	1,230
Plymouth Ave.	SR 15A to Stone St.	1493			County	Yes	0.50	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	10,010	10,540	10,180	9,970	10,320	10,050	9,380	9,070	9,200	8,060	E	13,640	0.59	D	1,020
Plymouth Ave.	Stone St. to Clara Ave	1495			County	Yes	0.50	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	10,590	11,050	10,280	10,780	10,460	10,480	10,040	9,560	9,820	9,510	E	13,640	0.70	D	1,020
Plymouth Ave.	Clara Ave. to US 17/92	1497			County	Yes	0.20	2	35	E+W	UA NSSRC2 2W 2L U WL	Major Collector - Urban	12,210	12,980	12,200	12,340	11,990	12,110	11,460	10,910	11,250	11,910	E	14,040	0.85	D	1,270
Plymouth Ave.	US 17/92 to Amelia Ave	1498			County	Yes	0.20	2	30	E+W	UA NSSRC2 2W 2L U WL	Major Collector - Urban	9,150	9,760	-	-	-	-	-	-	-	10,260	E	14,040	0.73	D	1,270
Plymouth Ave.	Amelia Ave. to Garfield Ave.	1500			County	Yes	0.20	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	7,040	7,480	7,100	6,960	7,090	6,440	5,850	5,850	5,750	5,070	E	13,640	0.37	C	1,020
Plymouth Ave.	Garfield Ave. to Blue Lake Rd./Jacobs D	1502			County	Yes	0.75	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	5,900	6,660	6,250	6,170	6,370	5,900	5,270	5,410	5,610	4,200	E	13,640	0.31	C	1,020
Ponce DeLeon Blvd.	CR 3 to US 17	1511			County	Yes	0.85	2	35	N+S	UA NSSRC2 2W 2L U 0L	n/c	3,440	3,880	2,590	2,890	2,400	2,500	2,260	2,350	1,510	-	E	13,640	-	-	1,020
Prevatt Ave.	SR 44 to Lake Pearl Dr.	1523			County	Yes	1.80	2	55	N+S	UA NSSRC1 2W 2L U WL	Minor Arterial - Urban	3,930	4,310	3,610	4,960	4,130	4,630	4,230	4,470	4,200	4,570	E	17,050	0.27	C	1,540
Prevatt Ave.	Lake Pearl Dr. to Kicklighter Rd	1520			County	Yes	1.50	2	40	N+S	UA NSSRC1 2W 2L U WL	Minor Arterial - Urban	4,360	4,670	3,940	5,020	4,500	4,800	4,390	4,570	3,910	-	E	17,050	-	-	1,360
Providence Blvd.	Howland Blvd. to Elkcam Blvd.	1542			County	Yes	1.70	2	35	N+S	UA NSSRC2 2W 2L U WL	Minor Arterial - Urban	12,930	14,270	12,870	12,200	10,940	11,990	10,790	11,290	11,040	9,110	E	14,040	0.65	D	1,270
Providence Blvd.	Elkcam Blvd. to Ft Smith Blvd.	1541			County	Yes	0.80	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Arterial - Urban	16,210	17,880	15,820	15,160	13,630	14,680	13,460	13,070	-	13,420	E	13,640	0.98	E	1,020
Providence Blvd.	Ft Smith Blvd. to Tivoli Dr.	1539			County	Yes	0.05	4	35	N+S	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	21,480	24,150	20,380	20,830	19,250	17,390	17,390	17,020	17,370	17,470	E	30,420	0.57	D	2,740
Providence Blvd.	Tivoli Dr. to Saxon Blvd.	1538			County	Yes	0.80	2	35	N+S	UA NSSRC2 2W 2L D WL	Minor Arterial - Urban	11,030	12,210	9,400	9,950	8,670	9,600	9,000	8,510	8,340	7,170	E	14,740	0.49	D	1,330
Providence Blvd.	Saxon Blvd. to Normandy Blvd	1535			County	Yes	0.70	2	35	N+S	UA NSSRC2 2W 2L U WL	Minor Arterial - Urban	11,080	12,320	9,490	9,080	8,930	9,860	9,310	8,900	8,990	8,050	E	13,640	0.59	D	1,020
Providence Blvd.	Normandy Blvd. to Anderson Dr.	1534			County	Yes	0.80	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Arterial - Urban	15,310	17,090	13,440	14,460	12,950	14,410	13,510	13,150	12,900	11,650	E	13,640	0.85	E	1,020
Providence Blvd.	Anderson Dr. to Doyle Rd.	1530			County	Yes	0.55	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Arterial - Urban	13,250	14,630	11,680	11,670	10,900	12,270	12,020	11,780	11,720	12,240	E	13,640	0.90	E	1,020
Raulerson Rd. # 1	US 17 to Brownlee Rd.	1550			County	No	1.20	2	35	E+W	RUA UFH 2W 2L U 0L	n/c	310	330	300	310	310	250	250	280	330	290	C	6,300	0.05	B	590
Raulerson Rd.	US 17 to Bunnell Rd./CR 305	1552			County	No	1.70	2	30	E+W	RUA UFH 2W 2L U 0L	n/c	470	500	350	320	380	250	300	300	400	330	C	6,300	0.05	B	590
Reed Canal Rd.	Clyde Morris Blvd. to SR5A/Nova Rd.	1561			County	Yes	0.80	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	7,640	8,070	6,100	5,850	5,890	5,810	6,040	5,870	6,050	5,400	E	13,640	0.40	D	1,020
Reed Canal Rd.	SR5A/Nova Rd. to Saults St.	1562			County	Yes	0.65	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	11,230	11,690	11,110	10,200	9,960	9,490	9,600	8,960	9,100	8,680	E	13,640	0.64	D	1,020
Reed Canal Rd.	Saults St. to US 1	1564			County	Yes	0.90	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	10,460	10,860	8,780	9,280	8,850	8,570	8,080	8,000	8,130	7,570	E	13,640	0.55	D	1,020
Reed Ellis Rd.	Enterprise-Osteen Rd. to SR 415	1571			County	Yes	2.10	2	45	E+W	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	1,660	1,450	1,470	1,510	1,470	1,510	1,510	1,640	1,630	1,860	E	13,640	0.14	C	1,230
Retta St.	Grand Ave. to US 17	1580			County	Yes	0.15	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	860	880	860	890	840	750	730	770	740	-	E	13,640	-	-	1,020
Reynolds Rd.	US 17 to SR 11	1590			County	Yes	4.40	2	35	E+W	RUA UFH 2W 2L U 0L	Minor Collector - Urban/Rural	1,420	1,320	1,360	1,450	1,410	1,160	1,250	1,240	1,360	-	E	6,300	-	-	2,030
Rhode Island Ave.	Westside Connector to Sparkman Ave	1598			County	Yes	0.45	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	-	-	-	-	4,520	5,360	5,140	5,780	6,630	2,810	E	14,740	0.19	C	1,330
Rhode Island Ave.	Sparkman Ave to Carpenter Ave	1599			County	Yes	0.25	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	-	-	-	-	6,360	7,000	6,480	6,890	6,720	3,630	E	14,740	0.25	C	1,330
Rhode Island Ave.	Carpenter Ave to US 17/92	1600			County	Yes	0.25	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	-	-	-	-	6,540	7,080	6,280	6,350	7,240	3,870	E	14,740	0.26	C	1,330
Rhode Island Ave. (OC)	US 17/92 to Veteran's Memorial Pkwy.	1601			City	Yes	2.80	2	40	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	8,240	9,010	8,040	7,060	7,280	8,990	8,790	8,650	8,270	-	E	13,640	-	-	1,230
Rhode Island Ave.	Veteran's Memorial Pkwy. to Normandy				County	Yes	1.80	0		E+W	UA NSSRC1 2W 2L U 0L	n/c	-	-	-	-	-	-	-	-	-	-	E	13,640	-	-	-
Riley Pridgeon Rd.	Peterson Rd. to SR 40	1610			County																						

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2Way 2015 LOS Capacity	
Stone St.	Mercers Fernery Rd. to CR 92/ISB	1773			County	Yes	0.70	2	35	N+S	UA NSSRC2 2W 2L U 0L	n/c	730	780	580	610	610	540	530	500	490	-	E	13,640	-	-	1,020	
Stone St.	CR 92 to Plymouth Ave.	1770			County	Yes	0.80	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	6,370	6,650	6,190	5,690	6,210	5,540	5,270	5,240	5,200	4,210	E	13,640	0.31	C	1,020	
Sugar Mill Dr.	Pioneer Tr. to SR 44	1781			County	Yes	1.30	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	3,130	2,760	2,370	2,520	2,450	2,370	2,450	2,760	2,980	2,830	E	13,640	0.21	C	1,230	
Summit Ave.	SR 44 to Main St.	1791			County	Yes	2.20	2	50	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	2,980	3,180	4,690	4,660	5,630	5,280	4,780	4,430	4,090	4,180	E	13,640	0.31	C	1,230	
Surfside Dr.	John Anderson Dr. to SR A1A	1801			County	No	0.35	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	340	370	370	330	450	350	340	300	370	350	E	13,640	0.03	C	1,020	
Taylor Rd. (CO)	Tomoka Farms Rd. to Spruce Creek Blvd	1810		Yes	County	Yes	0.70	2	45	E+W	UA NSSRC1 2W 2L U WL	Principal Arterial - Other - Urban	8,670	8,520	7,460	5,800	7,510	7,170	6,890	7,110	7,400	8,910	E	17,050	0.52	C	1,540	
Taylor Rd. (CO)	Spruce Creek Blvd. to Crane Lake Blvd.	1811		Yes	County	Yes	1.10	2	50	E+W	UA NSSRC1 2W 2L U WL	Principal Arterial - Other - Urban	12,770	12,460	10,860	10,700	10,610	9,790	9,660	9,570	10,400	11,440	E	17,050	0.67	C	1,540	
Taylor Rd. (CO)	Crane Lake Blvd. to Summertree Rd.	1812		Yes	County	Yes	0.75	2	50	E+W	UA NSSRC1 2W 2L U WL	Principal Arterial - Other - Urban	19,390	18,660	16,670	13,880	14,280	14,570	14,300	14,010	14,200	15,370	E	17,050	0.90	D	1,540	
Taylor Rd. (CO)	Summertree Rd. to Williamson Blvd.	1813		Yes	County	Yes	0.20	4	45	E+W	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	20,960	20,330	-	16,340	14,630	15,190	14,600	13,700	14,530	15,560	E	37,970	0.41	C	3,410	
Taylor Rd. (CO)	Williamson Blvd. to I-95 (at Dunlawton A	1814		Yes	County	Yes	0.15	5	45	E+W	UA NSSRC1 2W 5L D WL	Principal Arterial - Other - Urban	38,740	37,180	33,230	33,660	36,960	36,190	38,000	35,490	38,160	40,210	E	47,560	0.85	C	4,280	
Taylor Rd. (PO)	Dunlawton Ave. to Clyde Morris Blvd.	1823			County	Yes	0.55	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	14,300	12,910	13,480	12,880	12,860	12,980	12,840	12,270	12,110	12,170	E	13,640	0.89	E	1,020	
Taylor Rd. (PO)	Clyde Morris Blvd. to Hensel Rd	1824			County	Yes	0.50	4	45	E+W	UA NSSRC1 2W 4L D WL	Major Collector - Urban	21,810	19,460	19,670	19,620	18,590	19,530	19,350	18,280	18,470	18,220	E	37,970	0.48	C	3,410	
Taylor Rd. (PO)	Hensel Rd. Spruce Creek Rd.	1826			County	Yes	1.00	4	45	E+W	UA NSSRC1 2W 4L D WL	Major Collector - Urban	18,110	14,980	16,620	15,720	15,270	15,600	15,050	14,330	14,610	12,610	E	37,970	0.33	C	3,410	
Taylor Rd. (DL)	US 17/92 to Stratford Dr.	1816			County	Yes	0.80	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Arterial - Urban	5,500	5,680	6,590	6,240	5,820	5,740	6,090	5,690	5,610	4,950	E	13,640	0.36	C	1,020	
Taylor Rd. (DL)	Stratford Dr. to Blue Lake Ave.	1818			County	Yes	0.95	2	50	E+W	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	4,130	4,280	5,490	5,180	4,710	4,750	5,070	4,780	4,900	4,730	E	17,050	0.28	C	1,540	
Taylor Rd. (DL)	Blue Lake Ave. to Martin Luther King Bl	1819			County	Yes	0.80	2	50	E+W	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	3,960	4,120	5,180	4,790	4,590	4,730	4,960	4,810	5,090	5,080	E	13,640	0.37	C	1,230	
Taylor Rd. (NSB)	Glencoe Rd. to Mission Rd	1821			County	No	0.75	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,450	1,590	1,550	1,340	1,480	1,550	1,500	1,590	1,680	1,870	E	13,640	0.14	C	1,020	
Tivoli Dr. (DEL)	Normandy Blvd. to Saxon Blvd.	DLT-125.000			City	No	0.60	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	4,095	3,614	-	-	-	-	-	4,620	4,620	D	11,880	0.39	C	960	
Tivoli Dr. (DEL)	Saxon Blvd. to Providence Blvd	DLT-125.020			City	No	0.85	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	12,272	13,736	-	-	-	-	-	11,070	12,360	12,360	D	10,660	1.16	E	960
Tomoka Farms Rd.	LPGA Blvd. (north end) to Dunn Ave.	1849			County	Yes	1.90	2	40	N+S	UA UFH 2W 2L U 0L	Major Collector - Urban	4,090	3,630	3,700	3,390	3,810	3,770	4,000	-	4,660	4,970	E	24,975	0.20	B	2,240	
Tomoka Farms Rd.	Dunn Ave. to US 92	1848			County	Yes	1.90	2	40	N+S	UA UFH 2W 2L U 0L	Major Collector - Urban	1,890	2,470	2,660	3,080	3,350	3,550	4,380	5,070	5,800	5,510	E	24,975	0.22	B	2,240	
Tomoka Farms Rd.	US 92 to Shunz Rd.	1847			County	Yes	3.02	2	40	N+S	UA UFH 2W 2L U 0L	Minor Arterial - Urban	6,740	6,560	7,200	6,110	5,920	5,300	5,780	6,030	5,810	7,300	E	24,975	0.29	C	2,240	
Tomoka Farms Rd.	Shunz Rd. to Townwest Blvd	1845			County	Yes	1.50	2	50	N+S	UA UFH 2W 2L U 0L	Minor Arterial - Urban	6,160	4,960	5,470	4,910	5,470	5,870	5,780	6,210	6,270	7,040	E	24,975	0.28	C	2,240	
Tomoka Farms Rd.	Townwest Blvd to Taylor Rd.	1844			County	Yes	1.45	2	50	N+S	UA UFH 2W 2L U 0L	Minor Arterial - Urban	6,800	5,030	6,550	5,500	5,970	5,780	5,720	6,190	6,190	7,280	E	24,975	0.29	C	2,240	
Tomoka Farms Rd.	Taylor Rd. to Pioneer Tr	1843		Yes	County	Yes	2.80	2	50	N+S	UA UFH 2W 2L U 0L	Minor Arterial - Urban	8,650	9,050	9,590	7,910	9,180	9,330	8,810	9,790	9,950	10,310	E	24,975	0.41	C	2,240	
Tomoka Farms Rd.	Pioneer Tr to SR 44	1840		Yes	County	Yes	2.20	2	50	N+S	RDA UFH 2W 2L U 0L	Minor Arterial - Rural	5,550	5,260	6,740	5,000	4,700	4,510	5,110	5,260	5,420	6,260	C	12,300	0.51	B	1,150	
Town West Blvd. (PO)	Tomoka Farms Rd. to Williamson Blvd.	1850			City	No	1.59	2	40	E+W	UA NSSRC1 2W 2L D WL	Minor Collector - Urban	-	-	-	14,200	3,240	3,570	3,920	4,370	4,720	5,170	E	17,900	0.29	C	1,620	
Tumbull Bay Rd.	Pioneer Tr. to Williams Rd.	1863			County	Yes	2.90	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban/Rural	3,130	3,290	3,020	3,210	3,340	2,950	2,900	2,860	3,080	3,140	E	13,640	0.23	C	1,230	
Tumbull Bay Rd.	Williams Rd. to Industrial Park Ave.	1865			County	Yes	1.20	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	3,640	4,030	3,810	3,140	3,350	3,080	3,100	3,140	3,050	3,140	E	13,640	0.23	C	1,230	
Tumbull Bay Rd.	Industrial Park Ave. to US 1	1867			County	Yes	0.85	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	4,550	4,790	4,560	4,510	4,720	4,090	3,890	3,910	3,890	3,970	E	13,640	0.29	C	1,020	
Tymber Creek Rd.	Broadway Ave./US 1 to Airport Rd	1883			County	Yes	4.20	2	40	N+S	UA NSSRC1 2W 2L U 0L	n/c	2,090	2,350	1,450	1,580	1,820	1,750	1,780	1,860	1,950	E	13,640	0.14	C	1,230		
Tymber Creek Rd.	Airport Rd. to Tymber Run	1882			County	Yes	0.90	2	40	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	8,980	9,930	7,290	8,440	8,240	8,000	8,280	7,870	6,920	8,390	E	17,050	0.49	C	1,540	
Tymber Creek Rd.	Tymber Run to SR 40	1881			County	Yes	0.50	4	40	N+S	UA NSSRC1 2W 4L D WL	Major Collector - Urban	13,990	15,090	13,020	13,470	12,320	12,880	13,400	12,670	11,610	13,150	E	17,050	0.77	C	1,540	
Tymber Creek Rd.	SR 40 to Riverbend Rd.	1880			County	Yes	0.45	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	840	930	820	670	740	770	680	740	750	760	E	13,640	0.06	C	1,020	
Van Ave. (DBS)	Peninsula Dr. to SR A1A	1890			County	No	0.20	2	25	E+W	UA NSSRC2 2W 2L U 0L	n/c	580	700	660	500	420	630	630	550	600	-	E	13,640	-	-	-	
Volco Rd.	Cow Creek Rd. to Beacon Light Rd.	1920			County	Yes	2.50	2	30	N+S	RUA UFH 2W 2L U 0L	n/c	260	230	240	150	220	270	220	230	240	280	C	6,300	0.04	B	590	
Volco Rd.	Beacon Light Rd. to 35th St.	1921			County	Yes	1.40	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban/Rural	370	330	390	410	400	460	420	480	460	530	E	13,640	0.04	C	1,230	
Volco Rd.	35th St. to US 1	1922			County	Yes	0.50	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,640	1,470	1,410	1,820	1,420	1,860	1,840	1,930	1,800	1,920	E	13,640	0.14	C	1,020	
Voorhis Ave.	US 17/92 to Amelia Ave.	1931			County	Yes	0.20	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	5,000	5,300	4,130	4,030	3,780	3,940	3,670	3,560	3,730	-	E	13,640	-	-	1,020	
Voorhis Ave.	Amelia Ave. to Hill Ave.	1933			County	Yes	1.00	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,430	3,860	3,240	3,260	3,000	3,060	3,000	2,780	3,270	-	E	13,640	-	-	1,020	
Voorhis Ave.	Hill Ave. to Blue Lake Ave.	1934			County	Yes	0.50	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,200	3,760	3,100	3,130	2,960	3,030	3,070	2,790	3,370	-	E	13,640	-	-	1,020	
Voorhis Ave.	Blue Lake Ave. to SR 44	1935			County	Yes	0.50	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,420	3,770	3,200	3,500	3,130	3,340	3,280	3,110	3,190	3,600	E	13,640	0.26	C	1,020	
Walter Boardman Ln.	Old Dixie Hwy. to Highbridge Rd.	1960			County	Yes	1.20	2	30	E+W	RDA UFH 2W 2L U 0L	Major Collector - Rural	2,740	2,830	2,590	2,												

Volusia County 2015 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	2014 SIS Facility	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2014 Roadway on County's Thoroughfare	Distance (in miles)	2015 No. of Lanes	Posted Speed	Direction	2015 Facility Type	2010 Federal Functional Classification	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2,015 AADT*	2015 Vol. Co. Allowable LOS	DAILY 2015 LOS Capacity	DAILY 2015 V/C Ratio	DAILY 2015 LOS	PEAK 2Way 2015 LOS Capacity
Wilmette Ave. (OB)	SR 5A/Nova Rd to US 1	2021			City	No	1.80	2	35	E+W	UA_NSSRC2_2W_2L_U_WL	Minor Collector - Urban	8,660	8,180	8,690	6,730	8,330	8,010	9,620	-	-	-	E	14,040	-	-	-
Woodward Ave.	SR 44 to Euclid Ave.	2030			County	No	0.50	2	30	N+S	UA_NSSRC2_2W_2L_U_OL	Minor Collector - Urban	1,050	1,140	710	670	720	770	750	740	810	780	E	13,640	0.06	C	1,020
Woodward Ave.	Euclid Ave. to Beresford Ave.	2031			County	No	0.50	2	30	N+S	UA_NSSRC2_2W_2L_U_OL	Minor Collector - Urban	990	1,100	720	740	750	830	800	740	830	630	E	13,640	0.05	C	1,020
Yorktown Blvd. (PO)	Willow Run to Hidden Lake Dr.				City	Yes	0.50	0	25	N+S	UA_NSSRC2_2W_2L_U_WL	n/c	-	-	-	-	-	-	-	-	-	-	-	14,040	-	-	-
Yorktown Blvd. (PO)	Hidden Lake Dr. to SR 421/Dunlawton A	PO2701			City	Yes	1.00	2	40	N+S	UA_NSSRC1_2W_2L_U_WL	n/c	7,100	7,970	7,380	7,640	7,250	6,920	6,780	-	10,280	-	E	17,060	-	-	1,540

Area Types
 UA = Urbanized Areas
 RDA = Rural Developed Areas
 RUA = Rural Undeveloped Areas

Facility Types - Urban/Transitioning
 FWIS = Freeways - Interchange Spacing Group 1 (spacing >= 2 miles apart)
 FW = Freeways - Transitioning & Rural
 UFH = Uninterrupted Flow Highways
 SSAC1 = State Signalized Arterial Class 1
 SSAC2 = State Signalized Arterial Class 2
 NSSRC1 = Non-State Signalized Road Class 1
 NSSRC2 = Non-State Signalized Road Class 2

Facility Types - Rural Developed
 FW = Freeways - Transitioning & Rural
 UFH = Uninterrupted Flow Highways
 IFH = Interrupted Flow Highways

Facility Types - Rural Undeveloped
 FW = Freeways - Transitioning & Rural
 UFH = Uninterrupted Flow Highways
 ISIS = Isolated Signalized Intersections

One-Way/Two-Way
 1W = One-way Directional Volumes
 2W = Two-way Directional Volumes

Number of Lanes
 2L, 4L, 5L, etc. = Number of Roadway Lanes

Divided/Undivided
 D = Divided
 U = Undivided

Left Turn Bays
 WL = Left Turn Bays
 OL = No Left Turn Bays

Florida DOT	Centerline Miles
SIS Rds =	146
non-SIS Rds =	221
All State Rds =	367
County	
TFare Rds =	373
Total	740

Daily VMT

Florida DOT	2006	2007	2008	2009	2010	2011	2012	2013	2014	2,015
SIS Rds =	5,403,051	5,335,606	5,155,047	5,196,090	5,253,250	5,118,011	5,126,566	5,145,738	5,277,331	5,544,493
non-SIS Rds =	3,948,797	3,910,567	3,778,636	3,662,290	3,589,875	3,504,308	3,422,516	3,531,452	3,575,190	3,811,817
All State Rds =	9,351,848	9,246,173	8,933,683	8,848,380	8,843,125	8,622,319	8,549,082	8,677,190	8,852,521	9,356,310
County										
TFare Rds =	2,590,190	2,680,853	2,404,822	2,308,038	2,312,459	2,288,611	2,308,050	2,245,890	2,281,472	2,393,202
TOTAL	11,942,038	11,927,026	11,338,505	11,156,418	11,155,584	10,910,930	10,857,132	10,923,080	11,133,993	11,749,512

% of Daily VMT

Florida DOT	2006	2007	2008	2009	2010	2011	2012	2013	2014	2,015
SIS Rds =	45%	45%	45%	46%	47%	47%	47%	47%	47%	47%
non-SIS Rds =	33%	33%	33%	33%	32%	32%	32%	32%	32%	32%
All State Rds =	78%	78%	79%	79%	79%	79%	79%	79%	80%	80%
County										
TFare Rds =	22%	22%	21%	21%	21%	21%	21%	21%	20%	20%

1-Year Change in Daily VMT

Florida DOT	2006	2007	2008	2009	2010	2011	2012	2013	2014	2,015
1-Yr SIS % Chg =	3.00%	-1.25%	-3.38%	0.60%	1.30%	-2.57%	0.17%	0.37%	2.56%	5.06%
1-Yr non-SIS % Chg =	1.02%	-0.97%	-3.37%	-3.08%	-1.98%	-2.38%	-2.33%	3.18%	1.24%	6.62%
1 Yr All SR % Chg =	2.15%	-1.13%	-3.38%	-0.95%	-0.06%	-2.50%	-0.85%	1.50%	2.02%	5.69%
County										
1-Yr Tfare % Chg =	1.01%	3.50%	-10.30%	-4.02%	0.19%	-1.03%	0.85%	-2.69%	1.58%	4.90%
1-Yr All Significant Roads % Chg =	1.90%	-0.13%	-4.93%	-1.61%	-0.01%	-2.19%	-0.49%	0.61%	1.93%	5.53%

3-Year Change in Daily VMT

Florida DOT	2006	2007	2008	2009	2010	2011	2012	2013	2014	2,015
3-Yr SIS % Chg =					-1.54%	-0.72%	-1.15%	-2.05%	3.11%	7.75%
3-Yr non-SIS % Chg =					-8.20%	-7.26%	-6.55%	-1.63%	2.02%	7.94%
3-Yr All SR % Chg =					-4.36%	-3.49%	-3.38%	-1.88%	2.67%	7.83%
County										
3-Yr Tfare % Chg =					-13.74%	-4.83%	0.00%	-2.88%	-0.31%	6.56%
3-Yr All Significant Roads % Chg =					-6.47%	-3.77%	-2.68%	-2.08%	2.04%	7.57%

* 2014 AADT's for City of Deltona Port Orange are 2015 AADT's

APPENDIX F

2015 Deltona Traffic Counts

YEAR 2015 CITY OF DELTONA TRAFFIC COUNT REPORT

Station ID	Roadway	Segment Limits	Count Station Number	Distance (In miles)	2015 No. of Lanes	Speed Limit	2015 Facility Type	2008 AADT	2013 AADT	2015 AADT	2015 City of Deltona Allowable LOS	2015 LOS Daily Capacity	2015 Daily V/C Ratio	2015 Daily LOS	2015 PM Peak Two Way Traffic	2015 PM Peak Two Way Capacity	2015 PM Peak Two Way Available Trips	2015 PM Peak Two Way Hour V/C Ratio	2015 PM Peak Two Way LOS
50	Anderson Dr.	Cloverleaf Blvd. to Providence Blvd.	85	1.00	2	35	UA_MCCCRAC2_2W_2L_U_0L	-	-	3,034	D	12,740	0.24	C	260	960	700	0.27	C
51	Austin Ave.	Howland Blvd. to Lake Helen-Osteen Rd.	NA	0.31	2	30	UA_MCCCRAC2_2W_2L_U_0L	-	-	1,491	D	12,740	0.12	C	125	960	835	0.13	C
52	Austin Ave.	Lake Helen-Osteen Rd. to Kimberly Dr.	NA	0.26	2	30	UA_MCCCRAC2_2W_2L_U_0L	-	-	2,786	D	12,740	0.22	C	235	960	725	0.24	C
53	Bavon Dr.	Ft. Smith Blvd to Providence Blvd.	NA	0.76	2	30	UA_MCCCRAC2_2W_2L_U_0L	-	-	280	D	12,740	0.02	C	31	960	929	0.03	C
45	Catalina Blvd.	Wolf Pack Rn. To Eustace Blvd.	NA	0.61	2	35	UA_MCCCRAC2_2W_2L_U_0L	3,161	-	3,062	D	12,740	0.24	C	266	960	694	0.28	C
44	Catalina Blvd.	Eustace Blvd. to Howland Blvd	NA	0.62	2	35	UA_MCCCRAC2_2W_2L_U_0L	3,161	-	2,815	D	12,740	0.22	C	263	960	697	0.27	C
43	Catalina Blvd.	Howland Blvd. to Sixma Rd.	DLT-20.020	0.50	2	35	UA_MCCCRAC2_2W_2L_U_0L	12,089	11,698	12,590	E	13,640	0.92	D	1,010	1,020	10	0.99	E
42	Catalina Blvd.	Sixma Rd. to Lake Helen-Osteen Rd.	DLT-20.030	0.40	2	35	UA_MCCCRAC2_2W_2L_U_0L	10,733	9,776	10,634	E	13,640	0.78	C	863	1,020	157	0.85	D
49	Cloverleaf Blvd.	Deltona Blvd. to Anderson Dr.	NA	1.17	2	30	UA_MCCCRAC2_2W_2L_U_0L	-	-	2,519	D	12,740	0.20	C	211	960	749	0.22	C
26	Courtland Blvd.	Beckwith St. to Haulover Blvd.	DLT-30.010	1.00	2	40	UA_MCCCRAC1_2W_2L_U_0L	3,681	2,008	2,595	E	13,640	0.19	C	214	1,230	1,016	0.17	C
27	Courtland Blvd.	Haulover Blvd. to Elkcam Blvd.	DLT-30.030	1.50	2	40	UA_MCCCRAC1_2W_2L_U_0L	5,068	4,565	4,616	E	13,640	0.34	C	437	1,230	793	0.36	C
28	Courtland Blvd.	Elkcam Blvd. to Puerto Rico Dr.	DLT-30.040	0.75	2	35	UA_MCCCRAC2_2W_2L_U_0L	1,899	1,159	1,494	E	13,640	0.11	C	137	1,020	883	0.13	C
29	Courtland Blvd.	Wavecrest St. to Newmark Dr.	DLT-30.050	0.25	2	35	UA_MCCCRAC2_2W_2L_U_0L	1,870	1,283	1,438	E	13,640	0.11	C	132	1,020	888	0.13	C
30	Courtland Blvd.	Newmark Dr. to Howland Blvd.	DLT-30.070	1.00	2	35	UA_MCCCRAC2_2W_2L_U_0L	3,575	2,399	2,631	E	13,640	0.19	C	228	1,020	792	0.22	C
31	Courtland Blvd.	Howland Blvd. to India Blvd.	DLT-30.090	1.20	2	35	UA_MCCCRAC2_2W_2L_U_0L	7,764	6,467	6,690	E	13,640	0.49	C	616	1,020	404	0.60	D
32	Courtland Blvd.	India Blvd. to Ft Smith Blvd.	DLT-30.100	0.70	2	35	UA_MCCCRAC2_2W_2L_U_0L	8,397	7,997	8,550	E	13,640	0.63	C	751	1,020	269	0.74	D
33	Courtland Blvd.	Ft Smith Blvd. to Doyle Rd.	DLT-30.130	1.80	2	40	UA_MCCCRAC1_2W_2L_U_0L	6,241	6,079	6,565	E	13,640	0.48	C	589	1,230	641	0.48	C
34	Courtland Blvd.	Doyle Rd. to Enterprise-Osteen Rd.	DLT-30.140	0.90	2	30	UA_MCCCRAC2_2W_2L_U_0L	1,609	1,600	1,764	E	13,640	0.13	C	160	1,020	860	0.16	C
1	Deltona Blvd.	Normandy Blvd. to Cloverleaf Blvd.	DLT-35.000	1.25	4	35	UA_MCCCRAC2_2W_4L_D_WL	14,966	11,421	11,511	E	30,420	0.38	C	984	2,740	1,756	0.36	C
2	Deltona Blvd.	Cloverleaf Blvd. to Enterprise Rd.	DLT-35.030	0.50	4	35	UA_MCCCRAC2_2W_4L_D_WL	15,546	14,268	14,992	E	30,420	0.49	D	1,209	2,740	1,531	0.44	D
3	Deltona Blvd.	Enterprise Rd. to DeBary Ave.	DLT-35.040	0.85	2	35	UA_MCCCRAC2_2W_2L_D_WL	13,780	9,321	9,669	E	14,740	0.66	D	833	1,330	497	0.63	D
19	Elkcam Blvd.	Normandy Blvd. to Ft. Smith Blvd.	DLT-45.000	1.50	2	35	UA_MCCCRAC2_2W_2L_U_0L	5,142	7,500	7,848	E	13,640	0.58	C	635	1,020	385	0.62	D
20	Elkcam Blvd.	Ft. Smith Blvd. to Providence Blvd.	DLT-45.010	1.00	2	35	UA_MCCCRAC2_2W_2L_U_0L	4,805	6,125	6,282	E	13,640	0.46	C	498	1,020	522	0.49	D
21	Elkcam Blvd.	Providence Blvd. to Montecito Ave.	DLT-45.020	1.05	2	35	UA_MCCCRAC2_2W_2L_U_0L	11,772	10,082	10,169	E	13,640	0.75	C	800	1,020	220	0.78	D
22	Elkcam Blvd.	Montecito Ave. to Howland Blvd.	DLT-45.040	1.00	2	35	UA_MCCCRAC2_2W_2L_U_0L	10,554	9,926	10,234	E	13,640	0.75	C	815	1,020	205	0.80	D
23	Elkcam Blvd.	Howland Blvd. to Lake Helen-Osteen Rd.	DLT-45.050	0.15	2	35	UA_MCCCRAC2_2W_2L_D_WL	13,766	10,533	10,748	E	14,740	0.73	D	925	1,330	405	0.70	D
24	Elkcam Blvd.	Lake Helen-Osteen Rd. to Courtland Blvd.	DLT-45.060	0.70	2	35	UA_MCCCRAC2_2W_2L_U_0L	8,571	6,899	7,194	E	13,640	0.53	C	613	1,020	407	0.60	D
25	Elkcam Blvd.	Courtland Blvd. to Riverhead Dr.	DLT-45.080	0.50	2	30	UA_MCCCRAC2_2W_2L_U_0L	943	484	505	E	13,640	0.04	C	55	1,020	965	0.05	C
40	Eustace Ave.	Catalina Blvd. to Roseboro Dr.	DLT-55.010	0.40	2	30	UA_MCCCRAC2_2W_2L_U_0L	4,199	2,486	2,574	D	12,740	0.20	C	294	960	666	0.31	C
41	Eustace Ave.	Roseboro Dr. to Providence Blvd.	DLT-55.010	0.45	2	30	UA_MCCCRAC2_2W_2L_U_0L	4,199	3,484	3,774	D	12,740	0.30	C	347	960	613	0.36	C
46	Finland Dr.	Sullivan St. to Saxon Blvd.	NA	0.57	2	30	UA_MCCCRAC2_2W_2L_U_0L	-	-	3,262	D	12,740	0.26	C	267	960	693	0.28	C
47	Finland Dr.	Saxon Blvd. to Haversham Rd.	NA	0.30	2	30	UA_MCCCRAC2_2W_2L_U_0L	-	-	1,740	D	12,740	0.14	C	165	960	795	0.17	C

YEAR 2015 CITY OF DELTONA TRAFFIC COUNT REPORT

Station ID	Roadway	Segment Limits	Count Station Number	Distance (In miles)	2015 No. of Lanes	Speed Limit	2015 Facility Type	2008 AADT	2013 AADT	2015 AADT	2015 City of Deltona Allowable LOS	2015 LOS Daily Capacity	2015 Daily V/C Ratio	2015 Daily LOS	2015 PM Peak Two Way Traffic	2015 PM Peak Two Way Capacity	2015 PM Peak Two Way Available Trips	2015 PM Peak Two Way Hour V/C Ratio	2015 PM Peak Two Way LOS
12	Fort Smith Blvd.	Elkcam Blvd. to Providence Blvd.	DLT-60.000	1.00	2	30	UA_MCCRAC2_2W_2L_U_0L	3,280	2,251	3,138	E	13,640	0.23	C	309	1,020	711	0.30	C
13	Fort Smith Blvd.	Providence Blvd. to Newmark Dr.	DLT-60.020	0.50	2	35	UA_MCCRAC2_2W_2L_U_0L	13,876	10,502	11,257	E	13,640	0.83	C	967	1,020	53	0.95	E
14	Fort Smith Blvd.	Newmark Dr. to Normandy Blvd.	DLT-60.030	0.85	2	35	UA_MCCRAC2_2W_2L_D_WL	7,010	8,609	8,162	E	14,740	0.55	D	678	1,330	652	0.51	D
15	Fort Smith Blvd.	Normandy Blvd. to India Blvd.	DLT-60.050	0.55	2	35	UA_MCCRAC2_2W_2L_D_WL	13,768	11,570	11,988	E	14,740	0.81	D	998	1,330	332	0.75	D
16	Fort Smith Blvd.	India Blvd. to Courtland Blvd.	DLT-60.070	2.25	2	35	UA_MCCRAC2_2W_2L_D_WL	7,592	6,262	6,610	E	14,740	0.45	C	553	1,330	777	0.42	C
17	Fort Smith Blvd.	Courtland Blvd. to Howland Blvd.	DLT-60.100	0.75	2	35	UA_MCCRAC2_2W_2L_D_WL	8,497	8,461	9,411	E	14,740	0.64	D	768	1,330	562	0.58	D
18	Fort Smith Blvd.	Howland Blvd. to SR 415	DLT-60.110	0.55	2	35	UA_MCCRAC2_2W_2L_U_0L	3,108	2,844	3,033	E	13,640	0.22	C	280	1,020	740	0.27	C
48	Humphrey Blvd.	Newmark Dr. to India Blvd.	NA	1.65	2	30	UA_MCCRAC2_2W_2L_U_0L	-	-	1,900	D	12,740	0.15	C	164	960	796	0.17	C
39	India Blvd.	Fort Smith Blvd. to Humphrey Blvd.	DLT-80.000	2.06	2	35	UA_MCCRAC2_2W_2L_U_0L	3,750	3,517	4,116	E	13,640	0.30	C	357	1,020	663	0.35	C
39.5	India Blvd.	Humphrey Blvd. to Courtland Blvd.	NA	0.15	2	35	UA_MCCRAC2_2W_2L_U_0L	3,501	-	4,389	E	13,640	0.32	C	395	1,020	625	0.39	C
38	Newmark Dr.	Ft Smith Blvd. to Humphrey Blvd.	DLT-100.000	1.60	2	35	UA_MCCRAC2_2W_2L_U_0L	7,061	6,063	6,899	E	13,640	0.51	C	623	1,020	397	0.61	D
37	Newmark Dr.	Humphrey Blvd. to Howland Blvd.	DLT-100.020	0.90	2	35	UA_MCCRAC2_2W_2L_U_0L	6,452	6,372	7,163	E	13,640	0.53	C	635	1,020	385	0.62	D
36	Newmark Dr.	Howland Blvd. to Courtland Blvd.	DLT-100.040	0.75	2	30	UA_MCCRAC2_2W_2L_U_0L	1,434	1,108	1,342	E	13,640	0.10	C	128	1,020	892	0.13	C
4	Normandy Blvd.	Graves Ave. to Rhode Island Ave.	DLT-105.000	1.25	2	45	UA_MCCRAC1_2W_2L_U_0L	4,411	7,095	8,138	E	13,640	0.60	C	777	1,230	453	0.63	C
5	Normandy Blvd.	Rhode Island Ave. to Elkcam Blvd.	DLT-105.000	0.50	4	30	UA_MCCRAC2_2W_4L_D_WL	4,893	6,891	7,516	E	30,420	0.25	C	709	2,740	2,031	0.26	C
6	Normandy Blvd.	Elkcam Blvd. to Saxon Blvd.	DLT-105.030	1.00	4	35	UA_MCCRAC2_2W_4L_D_WL	10,694	7,532	10,849	E	30,420	0.36	C	1,025	2,740	1,715	0.37	C
7	Normandy Blvd.	Saxon Blvd. to Deltona Blvd.	DLT-105.050	0.70	2	35	UA_MCCRAC2_2W_2L_U_0L	10,996	10,231	10,634	E	13,640	0.78	C	836	1,020	184	0.82	D
8	Normandy Blvd.	Deltona Blvd. to Tivoli Dr.	DLT-105.070	1.10	3	30	UA_MCCRAC2_2W_2L_U_0L	11,929	9,560	10,105	E	13,640	0.74	C	866	1,020	154	0.85	D
9	Normandy Blvd.	Tivoli Dr. to Providence Blvd.	DLT-105.090	0.90	3	35	UA_MCCRAC2_2W_2L_U_0L	8,305	6,846	7,103	E	13,640	0.52	C	585	1,020	435	0.57	D
10	Normandy Blvd.	Providence Blvd. to Saxon Blvd.	DLT-105.120	1.00	2	35	UA_MCCRAC2_2W_2L_D_WL	8,148	7,016	7,313	E	14,740	0.50	D	577	1,330	753	0.43	C
11	Normandy Blvd.	Saxon Blvd. to Ft Smith Blvd.	DLT-105.140	0.75	2	35	UA_MCCRAC2_2W_2L_U_0L	11,232	10,715	11,271	E	13,640	0.83	C	983	1,020	37	0.96	E
35.5	Tivoli Dr.	Normandy Blvd. to Saxon Blvd.	NA	0.79	2	30	UA_MCCRAC2_2W_2L_U_0L	3,614	-	4,616	D	12,740	0.36	C	398	960	562	0.41	C
35	Tivoli Dr.	Saxon Blvd. to Providence Blvd.	DLT-125.020	0.85	2	30	UA_MCCRAC2_2W_2L_U_0L	13,736	11,058	12,359	D	12,740	0.97	D	963	960	-3	1.00	E

APPENDIX G

Deltona Wastewater Treatment Plant Daily Flows

Deltona Lakes Wastewater Flows FY16

DATE	O-15	N-15	D-15	J-16	F-16	M-16	A-16	M-16	J-16	J-16	A-16	S-16
1	0.871	0.875	0.753	0.718	0.791	0.696	0.748	0.628	0.653	0.613	0.497	0.602
2	0.763	0.778	0.785	0.750	0.899	0.773	0.836	0.727	0.640	0.646	0.529	0.584
3	0.856	0.844	0.678	0.859	0.908	0.845	0.962	0.835	0.597	0.660	0.554	0.600
4	0.928	0.775	0.706	0.852	1.089	0.762	0.840	0.676	0.604	0.643	0.628	0.597
5	0.872	0.802	0.749	0.730	0.930	0.832	0.816	0.581	0.707	0.507	0.554	0.657
6	0.882	0.725	0.839	0.738	0.953	0.895	0.858	0.548	0.551	0.533	0.588	0.523
7	0.837	0.809	0.72	0.812	1.025	0.827	0.783	0.584	0.608	0.548	0.645	0.565
8	0.885	0.856	0.81	0.771	0.991	0.886	0.776	0.624	0.678	0.538	0.514	0.567
9	0.765	0.817	0.809	0.812	0.938	0.898	0.821	0.596	0.642	0.581	0.548	0.523
10	0.837	0.781	0.826	0.824	0.760	0.784	0.793	0.578	0.625	0.600	0.605	0.570
11	0.885	0.907	0.77	0.757	0.880	0.842	0.821	0.595	0.634	0.521	0.617	0.654
12	0.835	0.730	0.774	0.786	0.932	0.852	0.869	0.571	0.653	0.542	0.575	0.630
13	0.903	0.779	0.859	0.799	0.767	0.877	0.809	0.571	0.619	0.542	0.596	0.605
14	0.874	0.847	0.758	0.822	0.800	0.840	0.847	0.603	0.587	0.505	0.680	0.670
15	0.841	0.850	0.747	0.871	0.929	0.751	0.800	0.657	0.556	0.500	0.533	0.663
16	0.741	0.822	0.835	0.837	0.880	0.767	0.870	0.555	0.671	0.546	0.541	0.693
17	0.791	0.738	0.748	0.874	0.849	0.796	0.918	0.682	0.621	0.588	0.580	0.724
18	0.863	0.736	0.763	0.829	0.798	0.736	0.835	0.608	0.707	0.490	0.625	0.760
19	0.902	0.831	0.718	0.777	0.783	0.822	0.886	0.620	0.859	0.503	0.593	0.581
20	0.773	0.709	0.792	0.818	0.845	0.879	0.869	0.592	0.431	0.516	0.603	0.660
21	0.771	0.905	0.74	0.777	0.948	0.696	0.755	0.592	0.634	0.558	0.635	0.635
22	0.762	0.871	0.826	0.810	0.770	0.684	0.682	0.659	0.588	0.560	0.562	0.622
23	0.736	0.795	0.736	0.766	0.775	0.855	0.728	0.628	0.601	0.580	0.624	0.596
24	0.769	0.844	0.796	0.918	0.821	0.616	0.900	0.578	0.625	0.602	0.649	0.625
25	0.856	0.807	0.71	0.808	0.808	0.847	0.860	0.586	0.623	0.503	0.588	0.700
26	0.990	0.901	0.791	0.807	0.752	1.054	0.776	0.615	0.636	0.522	0.564	0.595
27	0.847	0.781	0.805	1.047	0.694	1.091	0.769	0.561	0.520	0.497	0.584	0.560
28	0.847	0.774	0.786	0.985	0.889	0.893	0.754	0.594	0.593	0.498	0.672	0.604
29	0.829	0.853	0.754	0.942	0.806	0.835	0.770	0.580	0.487	0.595	0.516	0.581
30	0.741	0.873	0.808	0.836		0.888	0.622	0.696	0.719	0.629	0.563	0.471
31	0.811		0.637	0.925		0.923		0.611		0.620	0.580	
TOTAL	25.863	24.415	23.828	25.657	25.010	25.742	24.373	19.131	18.669	17.286	18.142	18.417
MAX DAY	0.990	0.907	0.859	1.047	1.089	1.091	0.962	0.835	0.859	0.660	0.680	0.760
AVG DAY	0.834	0.814	0.769	0.828	0.862	0.830	0.812	0.617	0.622	0.558	0.585	0.614
Permitted	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
Capacity %	59.6%	58.1%	54.9%	59.1%	61.6%	59.3%	58.0%	44.1%	44.5%	39.8%	41.8%	43.9%