



City of Deltona

2345 Providence Blvd.
Deltona, FL 32725

Agenda

Planning and Zoning Board

Chair Tom Burbank
Vice Chair Adam Walosik
Member Victor M. Ramos
Member Noble Olasimbo
Member Herb Zischkau
Member Stony Sixma

Wednesday, December 16, 2015

7:00 PM

Deltona Commission Chambers

1. CALL TO ORDER:

2. ROLL CALL:

3. APPROVAL OF MINUTES & AGENDA:

A Approval of Minutes for October 21, 2015

B Approval of Minutes for November 18, 2015

4. PRESENTATIONS/AWARDS/REPORTS:

5. PUBLIC FORUM:

6. OLD BUSINESS:

7. NEW BUSINESS:

A Election of Secretary

B Ordinance No. 29-2015 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, October 21, 2015

7:00 PM

Deltona Commission Chambers

1. CALL TO ORDER:

2. ROLL CALL:

Also present: Ron Paradise, Planning and Development Services and Kathrine Kyp, Planning and Development Services.

Present: 4 - Chair Tom Burbank
Vice Chair Adam Walosik
Secretary Wendy Hickey
Member Noble Olasimbo

Excused: 1 - Member Stony Sixma

Absent: 2 - Member Victor M. Ramos
Member Herb Zischkau

3. APPROVAL OF MINUTES & AGENDA:

A. Approval of Minutes for September 19, 2015

Motion by Secretary Hickey, seconded by Member Olasimbo, to approve the Minutes for September 19, 2015. The motion carried unanimously.

4. PRESENTATIONS/AWARDS/REPORTS:

5. PUBLIC FORUM:

6. OLD BUSINESS:

7. NEW BUSINESS:

A. Resolution No. 2015-39, Conditional Use Approval for a Granny Flat, File No. CU 15-003

Mr. Paradise provided a brief description regarding the conditional use application and the granny flat conditional use requirements. He noted that the footprint for the granny flat is located on a portion of the 100 year floodplain and that the applicant has agreed to move the structure out of the affected area.

Jerry Mayes, 925 Dandridge Drive, Deltona, applicant for the granny flat conditional use

application and Chairman Burbank discussed the options to keep the structure in the 100 year floodplain.

Motion by Member Olasimbo, seconded by Secretary Hickey, to recommend for approval, Resolution No. 2015-39, Conditional Use Approval for a Granny Flat, File No. CU 15-003.. The motion carried unanimously.

B. Ordinance No. 28-2015, Amend the Official Zoning Map from Professional Business (PB) to Retail Commercial District (C-1) for 3108 & 3096 Howland Boulevard, File No. RZ 15-005

Mr. Paradise provided a summary on the rezoning application. The application is to amend the Official Zoning Map from Professional Business (PB) to Retail Commercial District (C-1) for 3108 & 3096 Howland Boulevard.

Discussion amongst the board and staff ensued regarding the transitional uses in the PB zoning district, the permitted uses in the C-1 zoning district such as bars and nightclubs and the need for a hard buffer to protect residential neighborhoods.

Mr. Paradise and the Board spoke regarding the existing safeguards in the City's code to help protect the residential areas from the more intensive types of uses.

Chairman Burbank and Mr. Paradise discussed the progression of Howland Boulevard over the past several years, how the City staff back in 2006 discussed the need to rezone the land to PB and how Howland Boulevard is developing today.

Member Hickey asked if any of the land uses are being reviewed in the Land Development Code amendment process. She noted that the site plan process would also afford additional protection to the neighborhood.

Jeannette Roselli, 3097 Boxelder St. Deltona, FL spoke against the rezoning. Criminal activity is a concern with the more intense uses.

Jack Roselli, 3097 Boxelder St. Deltona, President of the Homeowners Association spoke against the rezoning. Noise, trash odor, vermin and criminal behavior are concerns.

Catherine Clem, 3086 Howland Boulevard, Deltona, spoke for the rezoning. She stated that Howland Boulevard is built for commercial not suitable for residential anymore.

Motion by Member Olasimbo, seconded by Secretary Hickey, to recommend for approval, Ordinance No. 28-2015, to amend the Official Zoning Map from Professional Business (PB) to Retail Commercial District (C-1) for 3108 & 3096 Howland Boulevard, File No. RZ 15-005 .

The motion failed by the following vote:

For: 2 - Secretary Hickey and Member Olasimbo

Against: 2 - Chair Burbank and Vice Chair Walosik

8. STAFF COMMENTS:

9. BOARD/COMMITTEE MEMBERS COMMENTS:

10. ADJOURNMENT:

The meeting was adjourned at 7:37 pm.



City of Deltona

2345 Providence Blvd.
Deltona, FL 32725

Minutes

Planning and Zoning Board

Wednesday, November 18, 2015

7:00 PM

Commission Chambers

1. CALL TO ORDER:

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

2. ROLL CALL:

Also Present: Ron Paradise, Planning and Development Services; Kathrine Kyp, Planning and Development Services.

Present: 5 - Chair Tom Burbank
Vice Chair Adam Walosik
Member Victor M. Ramos
Member Noble Olasimbo
Member Stony Sixma

Absent: 1 - Member Herb Zischkau

3. APPROVAL OF MINUTES & AGENDA:

A. Approval of Minutes for October 21, 2015

Motion by Member Olasimbo to approve the Minutes for October 21, 2015. The motion carried by the following vote:

For: 4 - Chair Burbank, Vice Chair Walosik, Member Olasimbo and Member Sixma

Abstain: 1 - Member Ramos

4. PRESENTATIONS/AWARDS/REPORTS:

5. PUBLIC FORUM:

6. OLD BUSINESS:

7. NEW BUSINESS:

A. Variance Application VR 15-002, Saxon/Finland RaceTrac Gas Station for a 75 Square Foot Monument Sign. Resolution No. 2015-42

Mr. Paradise stated that all board members received an updated staff report for the item

on tonight's agenda. He explained that the reason for the change to approval was due to the sign code rewrite timing. He also stated that Staff went out to Saxon Blvd. to measure the signs and the RaceTrac location in Orange City's sign has 75 square feet of copy face, as well as the Howland Blvd. location.

Member Sixma asked if there was an elevation plan of the sign for the board to review.

Member Olasimbo asked why the variance application was submitted when there no hardship. Mr. Paradise replied that there are factors including existing larger signage and planned road improvements that suggested approving the variance would be appropriate. Member Olasimbo stated that RaceTrac should build to the current code and when new code then they can apply for a variance.

Chairman Burbank discussed the differences between the old staff report and new report.

Thomas Sullivan, ESQ., Gray Robinson, 301 E. Pine Street, Orlando, submitted an image of the RaceTrac Howland Blvd. sign and noted that the Saxon/Finland Blvd. location would be have the same design. He mentioned that the Debary Ave. location would within the 600 ft distance to allow the 75 square feet of copy face. RaceTrac is looking for corporate consistency. He mentioned the timing of construction is 120 days from breaking ground to fully built and the coordination of ordering the sign needs 45 days.

Elizabeth Vanwort, 632 Apache Circle, Deltona, spoke regarding the location of the Racetrac. Her concern is the children in the residential area and would like speed bumps.

Member Ramos noted that the Howland Blvd. and Saxon Blvd are two different locations and the applicant should have realized that when purchasing the properties. He stated that he appreciated Staff's original recommendation of denial. Member Sixma asked if any other locations besides the interchange areas are eligible for larger signs. Mr. Paradise stated the activity center because of a Planned Unit Development Agreement. Member Walosik noted that the canopy above the gas pumps is signage. Member Olasimbo stated that all existing business conformed to the current code. RaceTrac gets passerby trips more than the sign. Member Ramos noted that the Halifax Health location on Saxon Blvd. had requested additional signage and the code didn't allow them.

Motion by Member Olasimbo, seconded by Vice Chair Walosik, to recommend denial of Variance Application VR 15-002, Saxon/Finland RaceTrac Gas Station for a 75 Square Foot Monument Sign. Resolution No. 2015-42. The motion carried by the following vote:

For: 5 - Chair Burbank, Vice Chair Walosik, Member Ramos, Member Olasimbo and Member Sixma

8. STAFF COMMENTS:

Mr. Paradise noted that the CIE will be on the agenda for December. He also stated that the rewrite of the sign code will be coming before the board in the future.

Member Ramos noted that the rewrite of the sign code should be sped up.

9. BOARD/COMMITTEE MEMBERS COMMENTS:

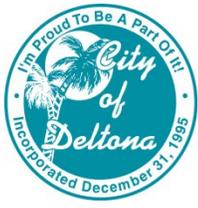
Chairman noted that election of secretary needed to be added to agenda for the December meeting.

10. ADJOURNMENT:

The meeting was adjourned at 7:32 pm.

Tom Burbank, CHAIRMAN

Kathrine Kyp, SECRETARY



Memorandum

TO: Planning and Zoning Board

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

DATE: December 16, 2015

RE: Ordinance No. 29-2015 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.

I. 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.

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.

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

III. ATTACHMENTS:

Ordinance No. 29-2015

Exhibit A - Capital Improvements Element (CIE) Report Fiscal Year 2015/16

ORDINANCE NO. 29-2015

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:

SECTION ONE: 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 TWO: 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 THREE: 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 _____ 2016.**

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

2015-2016



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 2015 the City had a population of 87,497. 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. 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 that 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 that slow 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 EAR is scheduled to be submitted to the Florida Department of Economic Opportunity by late 2017.

To determine a growth rate for this update to the CIE, City population was projected utilizing a conservative growth rate of 2.5% over the next five years. This is less than the aforementioned 3.67% or 2.9% growth rates, but further reflects the "leveling off" of growth within the City. In the future, as the above mentioned EAR process progresses, population and growth rates will probably be scaled back.

YEAR	POPULATION
2015*	87,497
2016	89,684
2017	91,927
2018	94,225
2019	96,580
2020	98,995

**Population estimates for April 1, 2015, prepared by the University of Florida, Bureau of Economic and Business Research (BEBR).*

SECTION 1

LEVEL OF SERVICE

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. The City does derive income from recyclables and that money is utilized to fund college scholarships for eligible kids within the City.

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 that 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 increased from 2.71 to 2.76 pounds per capita per day. However, over 8% of the solid waste stream is being recycled. The increase in solid waste generation in the City can be explained by an improving economy causing more consumption. In addition, some of the increase in the solid waste stream was from yard trash. During the last fiscal year, yard trash accounted for 16% of the solid waste stream. 2015 has been a very wet year in Central Florida which has caused the grass and other landscaping materials to grow at a rapid rate. The end result is a greater disposal of grass clippings, leaves, and twigs/branches.

The City’s contract with the hauler Waste Pro states that all trash, recycling, and yard waste will be picked up once a week. To manage the contract, the City has a Solid Waste and Enforcement Coordinator to ensure that trash is picked up and managed appropriately throughout the City, no matter the hauler. Therefore, Deltona has made a commitment to ensure that trash is picked up and managed accordingly.

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 that 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 somewhat stabilized 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
2014-2015	66,626,300.00	7,317,560.00	14,097,680.00	88,041,540.00	2.76
2015-2016	68,291,633.88	7,500,463.46	14,450,053.52	90,242,150.86	2.76
2016-2017	69,999,610.04	7,688,050.31	14,811,449.87	92,499,110.23	2.76
2017-2018	71,749,467.04	7,880,236.93	15,181,707.92	94,811,411.89	2.76
2018-2019	73,542,727.80	8,077,190.59	15,561,149.92	97,181,068.30	2.76
2019-2020	75,381,676.73	8,279,162.17	15,950,259.23	99,611,098.12	2.76

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. By the year 2015, the City Park and Recreation LOS shall be 3.00 developed acres per thousand residents. The City has 666 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
2015 ¹	87,497	666	7.61	403.53	3.00	975.90
2016	89,684	666	7.43	392.49	3.05	975.90
2017	91,927	666	7.24	381.03	3.10	975.90
2018	94,225	666	7.07	369.19	3.15	975.90
2019	96,580	666	6.90	356.94	3.20	975.90
2020	98,995	666	6.73	344.27	3.25	975.90

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

¹Population estimates for April 1, 2015, prepared by the University of Florida, Bureau of Economic and Business Research (BEBR) 2016 - 2020 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 down from 189 gallons of water per ERU per day during the last CIE update to 186 gallons of water per ERU per day. Water conservation measures, such as an inclined rate structure, have helped reduce water usage. However, rainfall totals for 2015 have been very high. All of the rain has sustained lawns and other landscaping which has reduced irrigation demand. In addition, the City has raised its water rates and the higher cost of water has also encouraged conservation. 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 186 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 installing new and sometimes larger pipes. The City is also expanding water service. Water lines along the Doyle, Ft. Smith, and Howland corridors have been or are being upsized; sometimes in conjunction with road work.

At one time the City anticipated using the St. Johns River to supply a significant portion of potable water. However, those plans were deemed infeasible. The City now 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), while involving percolation to replenish the aquifer, is also intended to supply expanded water reuse opportunities within the City.

To further facilitate the distribution of reuse water, the City is in the process of connecting the new wastewater treatment facility located on the east side of town with existing City reuse water infrastructure. 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)
2014-2015*	31,215	2,121,710,213	186
2015-2016	32,030	2,174,527,005	186
2016-2017	32,831	2,228,890,180	186
2017-2018	33,652	2,284,612,434	186
2018-2019	34,493	2,341,727,745	186
2019-2020	35,355	2,400,270,939	186

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 417 gallons per day per ERU. The Deltona North system services 1529 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. Notwithstanding ample rainfall this year, water use has gone up in the Deltona North service area from 338 gallons per day per ERU to 417 gallons per day per ERU. The increase in water use per ERU may be because of new commercial service connections in the service area. Also, there are various institutional uses within the Deltona North service area including three schools and a college. Water use characteristics at these campuses may account for the slight increase. 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 29, 2015. Projections for fiscal years 2015-2020 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. It is the intent that this information will become part of the City CIE.

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 has widened almost all of Ft. Smith Blvd. During this fiscal year, the City has budgeted almost \$1.7 million to improve the segment of Ft. Smith Blvd. between Howland Blvd. and SR 415 from two lanes to three lanes. Not all City roadway work involves adding lane miles. The City has earmarked \$400,000 to improve the intersection of Howland Blvd. and Ft. Smith Blvd. Intersection improvements include turn lanes, bike lanes and sidewalks. The City is very active in road maintenance and the appropriate maintenance of facilities can protect capacity. Unmaintained roads can alter traffic patterns by shifting traffic to better maintained facilities. This fiscal year the City will spend about \$500,000 on roadway resurfacing. Most of the maintenance will involve repaving local roads. 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 \$518,000 on 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. 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 2014 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 6.3% 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 that 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. In the past, the City also funded improvements to stormwater management infrastructure through Community Development Block Grant funds. The information on pages 28 through 40 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 one operating wastewater treatment plant but is constructing another wastewater plant that will be discussed below. 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-SS1.1

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. 9J-5.011(2)(c)(1)

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 over 5,200 residential users, as per the last CIE update, generated an average of 137 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 is the first year in many where the wastewater flows have actually increased. 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. A review of demographic data promulgated by the U.S. Census indicates that the persons per household within the City have increased to 3.10 from 2.72 persons per household. This increase of persons per household may explain the increase in residential wastewater flows. 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 2014 to September 2015.

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 is building a new, state of the art, wastewater plant. Construction of the new plant has commenced and first phase is scheduled to be treating wastewater by the first quarter of 2016. Capacity for the plant will be phased as it is needed and the first phase will treat 1.5 million gallons of wastewater per day. 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 would free up 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 lack 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 will accept treated wastewater from both the existing water treatment plant and the proposed water treatment plant. In addition, stormwater would be mixed with the 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. The expected outcome of the percolation pond system is greater aquifer recharge and further potable water conservation as reuse water becomes more available and reliable.

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 225,620 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 more (290 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 778 wastewater connections within the Deltona North service area. The wastewater generation rates within the Deltona North service area are high. The reason for the high wastewater flows is that there are several large institutional uses including three public schools, City Hall, and a college served by the Deltona North system.

CAPITAL IMPROVEMENTS
PROJECTS

POTABLE WATER

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2015-2016	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	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	\$1,000,000
41009	Alternative Water Supply (West Volusia AWS)	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
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 (Brackish Deep Well)	\$50,000	\$0	\$0	\$0	\$0	\$50,000
41016	Magdalena Well	\$100,000	\$400,000	\$0	\$0	\$0	\$500,000
43017	Magdalena/Saxon Interconnect	\$50,000	\$300,000	\$0	\$0	\$0	\$350,000
640500B	Retirement Meters	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000
42016	Wellington WTP Water Main Upgrade	\$150,000	\$500,000	\$0	\$0	\$0	\$650,000
45013	High Service Pump Upgrades	\$150,000	\$150,000	\$0	\$0	\$0	\$300,000
41017	LFA Treatment Plant & Well Design (AWS)	\$100,000	\$275,000	\$600,000	\$0	\$600,000	\$1,575,000
Total Projects Expenditures		\$1,835,000	\$2,385,000	\$1,260,000	\$760,000	\$1,260,000	\$7,525,000

Revenue Source	FY 2015-2016	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	Total
Drawdown of Fund Balance	\$1,635,000	\$2,295,000	\$1,170,000	\$670,000	\$1,170,000	\$6,695,000
Grants	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Impact Fees	\$150,000	\$90,000	\$90,000	\$90,000	\$90,000	\$510,000
Total Revenues	\$1,835,000	\$2,385,000	\$1,260,000	\$760,000	\$1,260,000	\$7,525,000

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 Rehabs

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)
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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$0	\$60,000	\$60,000	\$60,000	\$60,000	\$240,000
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

PROJECT NAME: Howland Utility Relocate (Phase 3)
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 46013
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	FY 16/17	FY 17/18	FY 18/19	FY 19/20	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	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$100,000	\$400,000	\$0	\$0	\$0	\$500,000
Total	\$100,000	\$400,000	\$0	\$0	\$0	\$500,000

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

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

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	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: 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	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$150,000	\$150,000	\$0	\$0	\$0	\$300,000
Total	\$150,000	\$150,000	\$0	\$0	\$0	\$300,000

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	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$100,000	\$275,000	\$600,000	\$0	\$600,000	\$1,575,000
Total	\$100,000	\$275,000	\$600,000	\$0	\$600,000	\$1,575,000

TRANSPORTATION

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2015-2016	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	Total
33021	Ft. Smith Section 4B (Howland to 415)	\$ 1,700,000	\$0	\$0	\$0	\$0	\$ 1,700,000
631021	Road Resurfacing	\$ 500,000	\$500,000	\$500,000	\$650,000	\$650,000	\$2,800,000
33064	Howland Blvd./Ft. Smith Blvd. Intersection Improvements	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Total Projects Expenditures		\$2,600,000	\$500,000	\$500,000	\$650,000	\$650,000	\$ 4,900,000

Revenue Source	FY 2015/2016	FY 2016/2017	FY 2017/2018	FY 2018/2019	FY 2019/2020	Total
Operating Surplus	\$424,900	\$427,500	\$434,500	\$443,500	\$450,000	\$2,205,400
Drawdown of Fund Balance	\$1,480,100	\$72,500	\$65,500	\$206,500	\$199,500	\$1,999,600
Impact Fees	\$195,000	\$0	\$0	\$0	\$0	\$195,000
General Fund	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total Revenues	\$2,600,000	\$500,000	\$500,000	\$650,000	\$650,000	\$4,900,000

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	Total
Operating Surplus	\$0	\$247,500	\$434,500	\$443,500	\$450,000	\$1,780,500
General Fund	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Drawdown of Fund Balance	\$0	\$72,500	\$65,500	\$206,500	\$199,500	\$519,500
Total	\$500,000	\$500,000	\$500,000	\$650,000	\$650,000	\$2,800,000

PROJECT NAME: Howland Blvd./Ft. Smith Blvd
 Intersection Improvements
PLAN ELEMENT: Transportation

PROJECT NUMBER: 33064
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

**STORMWATER
CAPITAL IMPROVEMENT PROJECTS SUMMARY**

Project No.	Project	FY 2015-2016	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019/2020	Total
21001	Leland Drainage Impr.	\$400,000	\$0	\$0	\$0	\$0	\$400,000
650100	Drainage Pipe Rehab	\$ 200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
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	\$244,592	\$59,292	\$0	\$0	\$605,584
21100	Monterey Dr. Drainage Improvements	\$75,000	\$0	\$0	\$225,000	\$0	\$300,000
21114	Lake Fieldstone to Briarwood Outfall Improvements	\$100,000	\$325,000	\$0	\$0	\$0	\$425,000
21101	Montebello Ave. Improvements	\$75,000	\$0	\$0	\$225,000	\$0	\$300,000
21102	Briarwood Lake Ditch Restoration	\$23,400	\$0	\$0	\$0	\$0	\$23,400
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. Waycross 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	Elkcam Blvd. & Nemo Dr. Drainage Improvements	\$15,000	\$0	\$0	\$0	\$0	\$15,000

FISCAL YEAR 2015 – 2016
CAPITAL IMPROVEMENTS ELEMENT

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
Total Projects Expenditures		\$1,790,600	\$769,592	\$259,292	\$650,000	\$200,000	\$3,669,484

Revenue Source	FY 2015/2016	FY 2016/17	FY 2017/2018	FY 2018/2019	FY 2019/2020	Total
Drawdown of Fund Balance	\$570,500	\$68,037	\$158,247	\$363,200	\$0	\$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

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 do not address these failures, there could be severe consequences when 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	\$200,000	\$65,300	\$200,000	\$200,000	\$865,300
Drawdown of Fund Balance	\$0	\$0	\$134,700	\$0	\$0	\$134,700
Total	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000

PROJECT NAME: Bonview Ave./Merchant Terr.
Drainage Improvements
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 28238
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
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 29206
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 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 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
Total	\$301,700	\$244,592	\$59,292	\$0	\$0	\$605,584

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

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 will take place this fiscal year, with construction as part of Phase 2 taking place in future years.

Funding Summary

Source/YR	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$0	\$325,000	\$0	\$0	\$0	\$325,000
Drawdown of Fund Balance	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$325,000	\$0	\$0	\$0	\$425,000

PROJECT NAME: Montebello Ave. Improvements
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 21101
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
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 21102
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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Operating Surplus	\$13,400	\$0	\$0	\$0	\$0	\$13,400
Drawdown of Fund Balance	\$10,000	\$0	\$0	\$0	\$0	\$10,000
Total	\$23,400	\$0	\$0	\$0	\$0	\$23,400

PROJECT NAME: Renton Street Improvements
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 24118
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
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 21103
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
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 21106
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
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 21107
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
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 21110
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: Elckam Blvd. & Nemo Drive Drainage Improvements
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 21111
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.
Drainage Improvement
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 21112
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.
Drainage Improvement
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 21113
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

WASTEWATER

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2015-2016	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	Total
46010	Eastern Wastewater Treatment Plant	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000
45009	Rehab Sewer Collection System	\$100,000	\$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	\$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	\$50,000	\$250,000	\$0	\$0	\$0	\$300,000
45011	Reclaimed Water System-Coventry	\$100,000	\$200,000	\$0	\$0	\$0	\$300,000
45012	Reclaimed Water System-Live Oak	\$100,000	\$200,000	\$0	\$0	\$0	\$300,000
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	\$400,000	\$0	\$0	\$0	\$0	\$400,000
43019	Farrington Lift Station & Force Main	\$150,000	\$500,000	\$0	\$0	\$0	\$650,000
Total Projects Expenditures		\$3,943,700	\$2,575,000	\$3,425,000	\$4,175,000	\$3,175,000	\$17,293,700

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

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 (EWWTP)	\$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	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Total	\$100,000	\$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	FY 16/17	FY 17/18	FY 18/19	FY 19/20	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
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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Grants	\$0	\$330,000	\$990,000	\$660,000	\$0	\$1,980,000
SRF Loan Proceeds (EWWTP)	\$500,000	\$670,000	\$2,010,000	\$1,340,000	\$0	\$4,520,000
Total	\$500,000	\$1,000,000	\$3,000,000	\$2,000,000	\$0	\$6,500,000

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

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	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$50,000	\$250,000	\$0	\$0	\$0	\$300,000
Total	\$50,000	\$250,000	\$0	\$0	\$0	\$300,000

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	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$100,000	\$200,000	\$0	\$0	\$0	\$300,000
Total	\$100,000	\$200,000	\$0	\$0	\$0	\$300,000

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	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$100,000	\$200,000	\$0	\$0	\$0	\$300,00
Total	\$100,000	\$200,000	\$0	\$0	\$0	\$300,000

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
Total	\$400,000	\$0	\$0	\$0	\$0	\$400,000

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

FIVE YEAR CIP FUNDS

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.

	FY 15/16	FY 16/17	FY 17/18	FY 18/19
<u>Public Safety:</u>				
No major projects (1)	\$ -	\$ -	\$ -	\$ -
<u>Transportation:</u>				
No major projects (1)	\$ -	\$ -	\$ -	\$ -
<u>Culture & Recreation:</u>				
No major projects (1)	\$ -	\$ -	\$ -	\$ -
Total - Governmental Funds	\$ -	\$ -	\$ -	\$ -

Wastewater - New Multi-Year Eastern Wastewater Treatment Plant

Estimated Completion: 2015

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

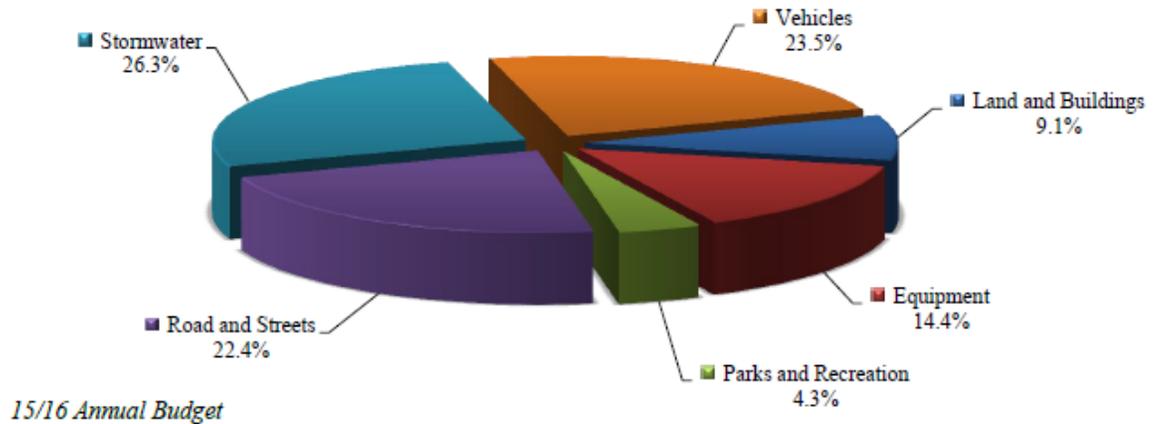
(1) Due to the general state of the economy over the past several years, the City has significantly reduced its capital spending. With the exception of the Eastern Wastewater Treatment Plant, the majority of projects presented in this budget represent those that are more renewal and/or replacement in nature therefore, additional future operating costs are not anticipated.

15/16 Annual Budget

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

Project	Budget	Planned				Total
	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	
Miscellaneous Infrastructure/Improvements	\$ 375,000	\$ 790,000	\$ 290,000	\$ 290,000	\$ 440,000	\$ 2,185,000
Equipment	1,128,500	705,500	547,000	690,000	390,000	3,461,000
Road Construction	2,100,000	-	-	-	-	2,100,000
Park Projects	1,030,000	-	-	-	-	1,030,000
Road Resurfacing	500,000	500,000	500,000	650,000	650,000	2,800,000
Sidewalks	500,000	-	-	-	-	500,000
Stormwater - Capital Improvement	1,256,700	669,592	578,292	607,000	665,000	3,776,584
Stormwater - Renewal and Replacement	533,900	550,000	585,000	688,000	200,000	2,556,900
Vehicles	1,303,000	1,425,000	1,123,000	1,040,000	765,000	5,656,000
	<u>\$ 8,727,100</u>	<u>\$ 4,640,092</u>	<u>\$ 3,623,292</u>	<u>\$ 3,965,000</u>	<u>\$ 3,110,000</u>	<u>\$ 24,065,484</u>

Total 5-Year CIP By Project Type



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

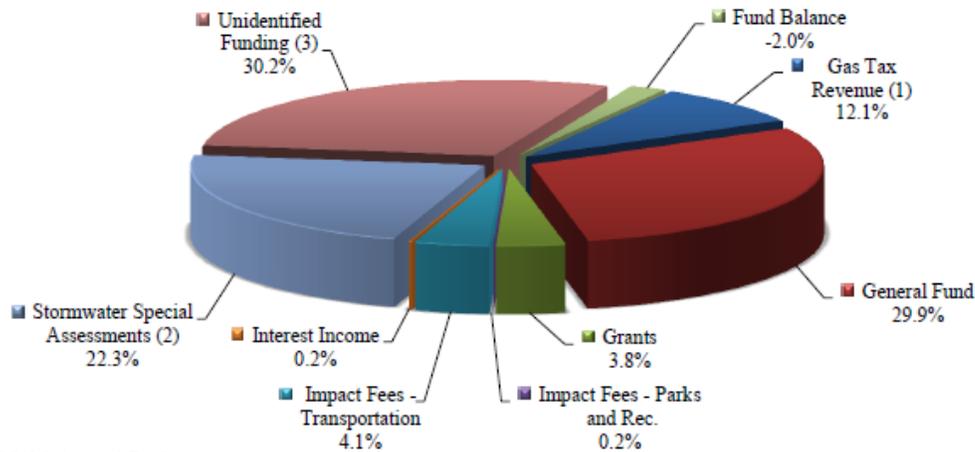
Funding Source	Budget	Planned				Total
	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	
Gas Tax Revenue (1)	\$ 423,900	\$ 430,500	\$ 433,500	\$ 442,500	\$ 449,500	\$ 2,179,900
General Fund	2,300,000	1,300,000	1,300,000	1,300,000	1,300,000	7,500,000
Grants	761,000	146,755	35,745	-	-	943,500
Impact Fees - Parks and Recreation	-	-	-	-	-	-
Impact Fees - Transportation	195,000	200,000	205,000	210,000	215,000	1,025,000
Interest Income	14,600	9,400	6,600	4,700	4,100	39,400
Stormwater Special Assessments (2)	1,187,800	1,154,000	1,118,600	1,081,300	1,040,900	5,582,600
Unidentified Funding (3)	-	2,000,000	1,700,000	950,000	2,650,000	7,300,000
Draw from (transfer) to CIP Fund Balance	<u>3,844,800</u>	<u>(600,563)</u>	<u>(1,176,153)</u>	<u>(23,500)</u>	<u>(2,549,500)</u>	<u>(504,916)</u>
	<u>\$ 8,727,100</u>	<u>\$ 4,640,092</u>	<u>\$ 3,623,292</u>	<u>\$ 3,965,000</u>	<u>\$ 3,110,000</u>	<u>\$ 24,065,484</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	\$ 8,932,041	\$ 5,087,241	\$ 5,687,804	\$ 6,863,957	\$ 6,887,457
Draw (from) addition to reserve	<u>(3,844,800)</u>	<u>600,563</u>	<u>1,176,153</u>	<u>23,500</u>	<u>2,549,500</u>
Ending CIP reserve	<u>\$ 5,087,241</u>	<u>\$ 5,687,804</u>	<u>\$ 6,863,957</u>	<u>\$ 6,887,457</u>	<u>\$ 9,436,957</u>

Total 5-Year CIP By Funding Source

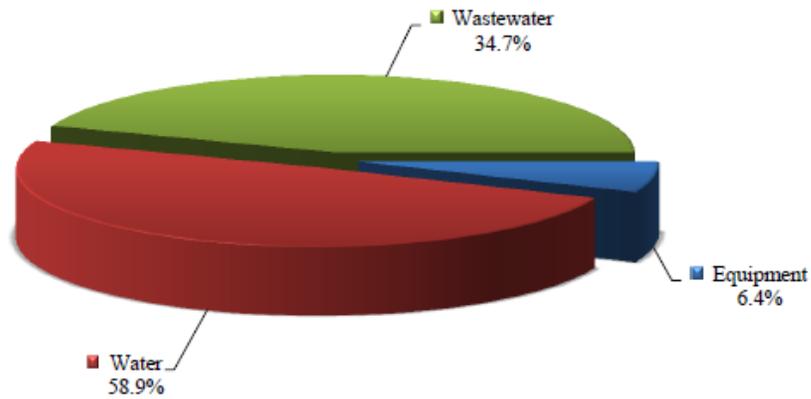


15/16 Annual Budget

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

Project	Budget	Planned				Total
	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	
Vehicle & Equipment	\$ 762,800	\$ 376,000	\$ 371,000	\$ 381,000	\$ 840,000	\$ 2,730,800
Water	1,835,000	2,485,000	2,885,000	7,860,000	10,110,000	25,175,000
Wastewater	3,993,700	2,675,000	3,525,000	3,225,000	1,425,000	14,843,700
	<u>\$ 6,591,500</u>	<u>\$ 5,536,000</u>	<u>\$ 6,781,000</u>	<u>\$ 11,466,000</u>	<u>\$ 12,375,000</u>	<u>\$ 42,749,500</u>

Total 5-Year CIP By Project Type



15/16 Annual Budget

ENTERPRISE FUND
FIVE YEAR CAPITAL IMPROVEMENT PLAN
SUMMARY BY FUNDING SOURCE

Funding Source	Budget	Planned				Total
	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	
Interest Income	\$ 99,900	\$ 62,000	\$ 48,000	\$ 39,000	\$ 35,000	\$ 283,900
Utility Assessment Fees	293,100	90,000	90,000	90,000	90,000	653,100
Utility Operating Fund (1)	507,900	79,048	(70,252)	468,748	1,047,548	2,032,992
Grants	150,000	330,000	990,000	1,320,000	990,000	3,780,000
Issuance of Debt - State Revolving Fund	2,950,000	920,000	2,260,000	2,680,000	2,010,000	10,820,000
New borrowing (4)	-	-	-	5,000,000	8,000,000	13,000,000
Draw from (transfer) to reserves	2,590,600	4,054,952	3,463,252	1,868,252	202,452	12,179,508
	<u>\$ 6,591,500</u>	<u>\$ 5,536,000</u>	<u>\$ 6,781,000</u>	<u>\$11,466,000</u>	<u>\$12,375,000</u>	<u>\$ 42,749,500</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.

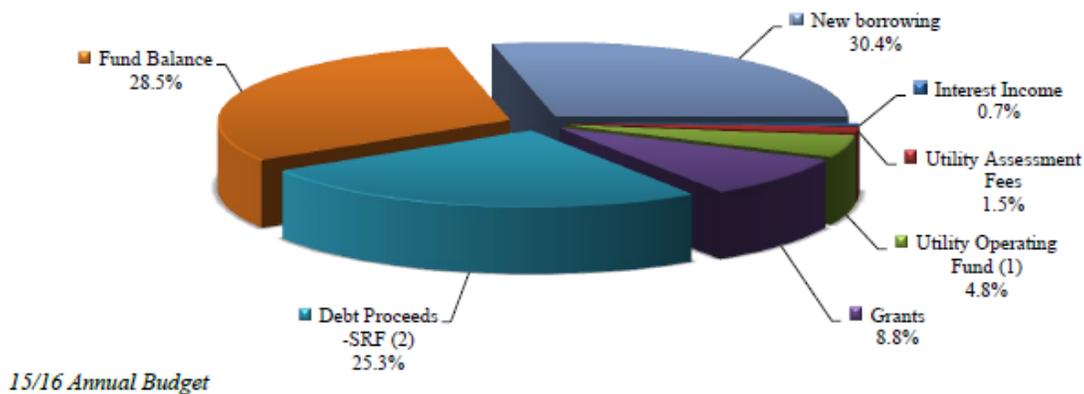
Reserves:

Reserve	\$21,796,772	\$19,206,172	\$15,151,220	\$11,687,968	\$ 9,819,716
Draw (from) addition to reserve	(2,590,600)	(4,054,952)	(3,463,252)	(1,868,252)	(202,452)
Ending Reserves	<u>\$19,206,172</u>	<u>\$15,151,220</u>	<u>\$11,687,968</u>	<u>\$ 9,819,716</u>	<u>\$ 9,617,264</u>

Reserve Components:

Restricted (2)	\$ 6,352,000	\$ 7,140,000	\$ 7,272,000	\$ 7,412,000	\$ 7,571,000
Restricted - Renewal & Replacement (3)	928,000	972,000	1,018,000	1,065,000	1,116,000
Unassigned	<u>11,926,172</u>	<u>7,039,220</u>	<u>3,397,968</u>	<u>1,342,716</u>	<u>930,264</u>
Total Reserves	<u>\$19,206,172</u>	<u>\$15,151,220</u>	<u>\$11,687,968</u>	<u>\$ 9,819,716</u>	<u>\$ 9,617,264</u>

Total 5-Year CIP By Funding Source



APPENDICES

Capital Improvements Projects
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APPENDIX A

POTABLE WATER

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2014-2015 2015-2016	FY 2015-2016 2016-2017	FY 2016-2017 2017-2018	FY 2017-2018 2018-2019	FY 2018-2019 2019-2020	Total
46900	Water Main Replacements	\$250,000 200,000	\$332,500 300,000	\$332,500 200,000	\$200,000 300,000	\$200,000 200,000	\$1,315,000 1,200,000
46001	Well Rehabs	\$1200,000	\$100,000 200,000	\$100,000 200,000	\$100,000 200,000	\$150,000 200,000	\$550,000 1,000,000
41009	Alternative Water Supply (West Volusia AWS)	\$200150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$80750,000
46013	Howland Blvd Utility Relocation, Phase 3	\$2,500,000	\$500,000	\$0	\$0	\$0	\$3,050,000
40020	WTP Treatment Improvements Group A	\$1,803,300	\$0	\$0	\$0	\$0	\$1,803,300
40023	WTP Treatment Improvements Group B	\$2,107,800	\$0	\$0	\$0	\$0	\$2,107,800
46015	Ft. Smith Section 4B	\$375,000	\$0	\$0	\$0	\$0	\$375,000
46018	Saxon/Providence Intersection Utility Relocates	\$289,800	\$0	\$0	\$0	\$0	\$289,800
640500A	CL2 Tanks	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
640500BA	Water Meters & Related Materials	\$7450,000	\$50,000	\$50,000	\$50,000	\$50,000	\$274250,000
41015	LFA Well (Bracksih Deep Well)	\$50,000	\$0	\$0	\$0	\$0	\$50,000
41016	Magdalena Well	\$100,000	\$400,000	\$0	\$0	\$0	\$500,000
43017	Magdalena/Saxon Interconnect	\$50,000	\$300,000	\$0	\$0	\$0	\$350,000
640500B	Retirement Meters	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000
42016	Wellington WTP Water Main Upgrade	\$150,000	\$500,000	\$0	\$0	\$0	\$650,000
45013	High Service Pump Upgrades	\$150,000	\$150,000	\$0	\$0	\$0	\$300,000
41017	LFA Treatment Plant & Well Design (AWS)	\$100,000	\$275,000	\$600,000	\$0	\$600,000	\$1,575,000
Total Projects Expenditures		\$7,724,900 1,835,000	\$1,157,500 2,385,000	\$657,500 1,260,000	\$525,000 760,000	\$575,000 1,260,000	\$10,639,900 7,525,000

Revenue Source	FY 2014/2015 <u>2015/2016</u>	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>	Total
Debt Proceeds	\$7,431,400	\$0	\$0	\$0	\$0	\$7,431,400
Drawdown of Fund Balance	\$ 1,635,000 <u>1,635,000</u>	\$ 1,067,500 <u>2,295,000</u>	\$ 567,500 <u>1,170,000</u>	\$ 435,000 <u>670,000</u>	\$ 485,000 <u>1,170,000</u>	\$ 2,555,000 <u>6,695,000</u>
Grants	\$ 196,000 <u>50,000</u>	\$0	\$0	\$0	\$0	\$ 196,000 <u>50,000</u>
Impact Fees	\$ 97,500 <u>150,000</u>	\$90,000	\$90,000	\$90,000	\$90,000	\$ 457,500 <u>510,000</u>
Total Revenues	\$7,724,900 <u>7,724,900</u>	\$1,157,500 <u>1,157,500</u>	\$657,500 <u>657,500</u>	\$525,000 <u>525,000</u>	\$525,000 <u>525,000</u>	\$10,639,900 <u>10,639,900</u>

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Drawdown of Fund Balance	\$200,000	\$332,500 300,000	\$332,500 200,000	\$200,000 300,000	\$200,000 200,000	\$1,065,000 1,200,000
Debt Proceeds	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total	\$250,000 <u>200,000</u>	\$332,500 <u>300,000</u>	\$332,500 <u>200,000</u>	\$200,000 <u>300,000</u>	\$200,000 <u>200,000</u>	\$1,315,000 <u>1,200,000</u>

PROJECT NAME: Well Rehabs

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Drawdown of Fund Balance	\$200,000	\$100,000 200,000	\$100,000 200,000	\$100,000 200,000	\$150,000 200,000	\$450,000 1,000,000
Debt Proceeds	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000 <u>200,000</u>	\$100,000 <u>200,000</u>	\$100,000 <u>200,000</u>	\$100,000 <u>200,000</u>	\$150,000 <u>200,000</u>	\$550,000 <u>1,000,000</u>

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Drawdown of Fund Balance	\$0	\$60,000	\$60,000	\$60,000	\$60,000	\$240,000
Impact Fees	\$97,500 150,000	\$90,000	\$90,000	\$90,000	\$90,000	\$457,500
Debt Proceeds	102,500	\$0	\$0	\$0	\$0	\$102,500
Total	\$200,000 150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$800,000 750,000

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Debt Proceeds	\$2,304,000	\$0	\$0	\$0	\$0	\$2,304,000
Drawdown of Fund Balance	\$500,000	\$500,000	\$0	\$0	\$0	\$500,000
Grants	\$196,000	\$0	\$0	\$0	\$0	\$196,000
Total	\$2,500,000 500,000	\$500,000	\$0	\$0	\$0	\$3,000,000 500,000

PROJECT NAME: WTP Treatment Improvements Group A **PROJECT NUMBER:** 40020

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I1-PW1.6

PROJECT DESCRIPTION

Plant improvements are being planned and will be designed to achieve compliance with TTHM regulations. These improvements will consist of chemical feed pumps, chemical storage, yard piping modifications, electrical and instrumentation, and associated equipment. It is anticipated that these improvements will be bid and construction completed in early 2015.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Debt Proceeds	\$1,803,300	\$0	\$0	\$0	\$0	\$1,803,300
Total	\$1,803,300	\$0	\$0	\$0	\$0	\$1,803,300

PROJECT NAME: WTP Treatment Improvements Group B **PROJECT NUMBER:** 40023

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I1-PW1.6

PROJECT DESCRIPTION

Plant improvements are being planned and will be designed to achieve compliance with TTHM regulations. These improvements will consist of chemical feed pumps, chemical storage, yard piping modifications, electrical and instrumentation, and associated equipment. It is anticipated that these improvements will be bid and construction completed in early 2015.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Debt Proceeds	\$2,107,800	\$0	\$0	\$0	\$0	\$2,107,800
Total	\$2,107,800	\$0	\$0	\$0	\$0	\$2,107,800

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Debt Proceeds						
Drawdown of Fund Balance	\$375,000	\$0	\$0	\$0	\$0	\$375,000
Total	\$375,000	\$0	\$0	\$0	\$0	\$375,000

~~**PROJECT NAME:** Saxon/Providence Intersection Utility Relocates~~ ~~**PROJECT NUMBER:** 46018~~

~~**PLAN ELEMENT:** Infrastructure~~ ~~**POLICY NUMBER:** I1-PW3.4~~

~~**PROJECT DESCRIPTION**~~

~~*This project is a joint project with Volusia County. It is necessary to relocate the utility lines in order for the County's project to move forward.*~~

~~**Funding Summary**~~

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Debt Proceeds	\$289,800	\$0	\$0	\$0	\$0	\$289,800
Total	\$289,800	\$0	\$0	\$0	\$0	\$289,800

PROJECT NAME: CL2 Tanks **PROJECT NUMBER:** 640500A

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

PROJECT DESCRIPTION

There are currently four (4) locations where the chlorine storage tanks are in need of upgrading. The existing tanks are close to or have exceeded their life expectancy. In an effort to reduce the possibility of a tank cracking and spilling chemicals, the tanks need to be replaced with new ones. New tanks will help ensure that there is no interruption in water service due to tank failure.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$100,000
Debt Proceeds	\$25,000	\$0	\$0	\$0	\$0	\$25,000
Total	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000

PROJECT NAME: Water Meters and Related Materials

PROJECT NUMBER: 640500BA

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Drawdown of Fund Balance	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Debt Proceeds	\$74,000	\$0	\$0	\$0	\$0	\$0	\$74,000
Total	\$74,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$274,000

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

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

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

<u>Source/YR</u>	<u>FY 15/16</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>Total</u>
<u>Drawdown of Fund Balance</u>	\$100,000	\$400,000	\$0	\$0	\$0	\$500,000
<u>Total</u>	<u>\$100,000</u>	<u>\$400,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$500,000</u>

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

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

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

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

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

<u>Source/YR</u>	<u>FY 15/16</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>Total</u>
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: 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

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

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

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

TRANSPORTATION

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY	FY	FY	FY	FY	Total
		2014-2015 2015-2016	2015-2016 2016-2017	2016-2017 2017-2018	2017-2018 2018-2019	2018-2019 2019-2020	
33021	Ft. Smith Section 4B (Howland to 415)	\$ 1,175,000 1,700,000	\$ 575,000	\$ 0	\$ 0	\$ 0	\$ 1,700,000
631021	Road Resurfacing	\$ 500,000	\$ 500,000	\$ 500,000	\$ 650,000	\$ 650,000	\$ 2,300,000 2,800,000
33064	Howland Blvd./Ft. Smith Blvd. Intersection Improvements	\$ 625,000 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 625,000 400,000
Total Projects Expenditures		\$ 2,300,000 2,600,000	\$ 575,000 500,000	\$ 500,000 500,000	\$ 650,000	\$ 650,000	\$ 4,675,000 4,900,000

Revenue Source	FY	FY	FY	FY	FY	Total
	2014/2015 2015/2016	2015/2016 2016/2017	2016/2017 2017/2018	2017/2018 2018/2019	2018/2019 2019/2020	
Operating Surplus	\$ 562,000 424,900	\$ 405,000 427,500	\$ 325,000 434,500	\$ 475,000 443,500	\$ 475,000 450,500	\$ 2,242,000 2,205,400
Drawdown of Fund Balance	\$ 1,073,000 1,480,100	\$ 72,500	\$ 65,500	\$ 206,500	\$ 199,500	\$ 1,073,000 1,999,600
Impact Fees	\$ 165,000 195,000	\$ 170,000	\$ 175,000	\$ 175,000	\$ 175,000	\$ 860,000 195,000
General Fund	\$ 500,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 500,000
Total Revenues	\$ 2,300,000 2,600,000	\$ 575,000 500,000	\$ 500,000	\$ 650,000	\$ 650,000	\$ 4,675,000 4,900,000

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Operating Surplus	\$24,900	\$405,000	\$0	\$0	\$0	\$405,000 24,900
Drawdown of Fund Balance	\$1,010,000 1,480,100	\$0	\$0	\$0	\$0	\$1,010,000 1,480,100
Impact Fees	\$165,000 195,000	\$170,000	\$0	\$0	\$0	\$335,000 195,000
Total	\$1,175,000 1,700,000	\$575,000	\$0	\$0	\$0	\$1,750,000 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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Operating Surplus	\$0	\$247,500	\$325,000 434,500	\$475,000 443,500	\$475,000 450,500	\$1,275,000 1,780,500
General Fund	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Impact Fees Drawdown of Fund Balance	\$0	\$72,500	\$175,000 65,500	\$175,000 206,500	\$175,000 199,500	\$525,000 519,500
Total	\$500,000	\$500,000	\$500,000	\$650,000	\$650,000	\$2,300,000 2,800,000

PROJECT NAME: Howland Blvd./Ft. Smith Blvd
 Intersection Improvements
PLAN ELEMENT: Transportation

PROJECT NUMBER: 33064
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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Operating Surplus	\$ 562,000 400,000	\$0	\$0	\$0	\$0	\$ 562,000 400,000
Drawdown of Fund Balance	\$63,000	\$0	\$0	\$0	\$0	\$63,000
Total	\$625,000 400,000	\$0	\$0	\$0	\$0	\$625,000 400,000

**STORMWATER
CAPITAL IMPROVEMENT PROJECTS SUMMARY**

Project No.	Project	FY 2014-2015 <u>2015-2016</u>	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>	Total
21001	Leland Drainage Impr.	\$ 8400,000	\$0	\$0	\$0	\$0	\$ 8400,000
650100	Drainage Pipe Rehab	\$ 200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
28238	Bonview Ave./ Merchant Terr. Drainage Improvements	\$ 75100,000	\$0	\$0	\$0	\$0	\$ 75100,000
21002	Stormwater Master Regional Ponds System	\$150,000	\$0	\$0	\$0	\$0	\$150,000
21003	Stormwater Master Force Main	\$200,000	\$0	\$0	\$0	\$0	\$200,000
28228	Courtland/Haulover Drainage Improvements	\$300,000	\$0	\$0	\$0	\$0	\$300,000
29206	Sky St./Keeling Dr. Drainage Improvements	\$ 5930,000	\$ 30,000	\$0	\$0	\$0	\$ 8930,000
29214	Sky St. (Laredo Dr. & Keeling Dr.) Drainage Improvements	\$ 2175,000	\$ 75,000	\$0	\$0	\$0	\$ 10075,000
29244	Staten Dr. & Elnora Ave. Drainage Improvements	\$25,000	\$75,000	\$0	\$0	\$0	\$100,000
29245	Everest Street Improvements	\$27,000	\$0	\$0	\$0	\$0	\$27,000
24130	Manny Rodriguez Park Drainage System Replacement	\$21,000	\$0	\$0	\$0	\$0	\$21,000
29246	Catalina Blvd. Improvement	\$5,000	\$0	\$0	\$0	\$0	\$5,000
21004	E. Cooper Dr. Improvement	\$25,000	\$0	\$0	\$0	\$0	\$25,000
29247	Courtland Blvd. & Hathaway St. Improvement	\$11,000	\$0	\$0	\$0	\$0	\$11,000
21005	Apricot Dr. Improvement	\$8,000	\$0	\$0	\$0	\$0	\$8,000
29248	Gregory Dr. & Pembroke St. Improvement	\$14,000	\$0	\$0	\$0	\$0	\$14,000
29230	Shiprock Ct. Improvement	\$21,000	\$0	\$0	\$0	\$0	\$21,000
<u>29239</u>	<u>Brickell Dr. Drainage Improvements</u>	<u>\$301,700</u>	<u>\$244,592</u>	<u>\$59,292</u>	<u>\$0</u>	<u>\$0</u>	<u>\$605,584</u>
<u>21100</u>	<u>Monterey Dr. Drainage Improvements</u>	<u>\$75,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$225,000</u>	<u>\$0</u>	<u>\$300,000</u>
<u>21114</u>	<u>Lake Fieldstone to Briarwood Outfall Improvements</u>	<u>\$100,000</u>	<u>\$325,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$425,000</u>

FISCAL YEAR 2015-2016
CAPITAL IMPROVEMENTS ELEMENT

21101	Montebello Ave. Improvements	\$75,000	\$0	\$0	\$225,000	\$0	\$300,000
21102	Briarwood Lake Ditch Restoration	\$23,400	\$0	\$0	\$0	\$0	\$23,400
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. Waycross 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	Elkcam Blvd. & Nemo Dr. Drainage Improvement	\$15,000	\$0	\$0	\$0	\$0	\$15,000
21112	Intersection at Newcomb Ln. & Blaine Cir. Drainage Improvement	\$50,000	\$0	\$0	\$0	\$0	\$50,000
21113	Gatewood Dr. between Branchville Dr. & Lynnhaven St. Drainage Improvement	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total Projects Expenditures		\$1,966,000 1,790,600	\$380,000 769,592	\$200,000 259,292	\$200,000 650,000	\$200,000 200,000	\$2,946,000 3,669,484

Revenue Source	FY 2014/2015 2015/2016	FY 2015/16 2016/2017	FY 2016/2017 2017/2018	FY 2017/2018 2018/2019	FY 2018/2019 2019/2020	Total
Drawdown of Fund Balance	\$1,924,300 570,500	\$380,000 68,037	\$200,000 158,247	\$200,000 363,200	\$200,000	\$2,904,300 1,159,984
Operating Surplus	\$41,700 1,039,100	\$554,800	\$65,300	\$286,800	\$200,000	\$41,700 2,146,000
Grants	\$181,000	\$146,755	\$35,745	\$0	\$0	\$363,500
Total Revenues	\$1,966,000 1,790,600	\$380,000 769,592	\$200,000 259,292	\$200,000 650,000	\$200,000	\$2,946,000 3,669,484

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Drawdown of Fund Balance	\$ 840,000	\$0	\$0	\$0	\$0	\$ 840,000
Operating Surplus						
Total	\$840,000	\$0	\$0	\$0	\$0	\$840,000

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 do not address these failures, there could be severe consequences when the rainy season begins.

Funding Summary

Source/YR	FY 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Operating Surplus	\$200,000	\$200,000	\$65,300	\$200,000	\$200,000	865,300
Drawdown of Fund Balance	\$200,000	\$200,000	\$200,000 134,700	\$200,000	\$200,000	\$1,000,000 134,700
Total	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000

PROJECT NAME: Bonview Ave./Merchant Terr.
Drainage Improvements
PLAN ELEMENT: Infrastructure

PROJECT NUMBER: 28238
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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Drawdown of Fund Balance	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Operating Surplus	100,000					100,000
Total	\$75,000 100,000	\$0	\$0	\$0	\$0	\$75,000 100,000

~~**PROJECT NAME:** Stormwater Master Regional System~~ ~~**PROJECT NUMBER:** 21002~~

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

~~**PROJECT DESCRIPTION**~~

~~*This system will serve as a multi-function system allowing for storage of stormwater within a 122-acre site and also serve as a means for augmenting effluent water.*~~

~~**Funding Summary**~~

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000

PROJECT NAME: Stormwater Master Force Main **PROJECT NUMBER:** 21003

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

PROJECT DESCRIPTION

This new stormwater force main will connect the Tivoli/Wheeling pump station and pond with the new Master Regional Stormwater pond system. In doing so, this will relieve the Tivoli area and assist with preventing future flooding to the area.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Total	\$200,000	\$0	\$0	\$0	\$0	\$200,000

PROJECT NAME: Courtland /Haulover Drainage Improvements **PROJECT NUMBER:** 28228

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

PROJECT DESCRIPTION

During FY 13/14, the engineered and permitted drainage improvements will be constructed. The budget includes the CEI (construction engineering inspection) services along with the cost of construction for the project. The improved system should help reduce the flooding and manage the current stormwater in the area.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$300,000	\$0	\$0	\$0	\$0	\$300,000
Total	\$300,000	\$0	\$0	\$0	\$0	\$300,000

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Operating Surplus	\$41,700 30,000	\$0	\$0	\$0	\$0	\$41,700 30,000
Drawdown of Fund Balance	\$17,300	\$30,000	\$0	\$0	\$0	\$47,300
Total	\$59,000 30,000	\$30,000 \$30,000	\$0	\$0	\$0	\$89,000 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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Drawdown of Fund Balance	\$25,000	\$75,000	\$0	\$0	\$0	\$100,000
Operating Surplus	175,000					175,000
Total	\$25,000 175,000	\$75,000 \$75,000	\$0	\$0	\$0	\$100,000 175,000

PROJECT NAME: Staten Dr. & Elnora Ave. Drainage Improvement **PROJECT NUMBER:** 29244

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

PROJECT DESCRIPTION

The scope of this project covers engineering design and permitting for drainage improvement for the Staten Dr. & Elnora Avenue area. This area has experienced flooding in past year and an improved system should help reduce this flooding concern and better manage the stormwater after heavy rain events. Phase 1: Engineering design and permitting. Phase 2: Construction will begin in FY 15/16.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$25,000	\$75,000	\$0	\$0	\$0	\$100,000
Total	\$25,000	\$75,000	\$0	\$0	\$0	\$100,000

PROJECT NAME: Everest Street (2116) Improvement **PROJECT NUMBER:** 29245

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

PROJECT DESCRIPTION

The roadway in this area floods during and after storm events which often impacts homes in this area as well. Improvements are needed to reduce the flooding in this area. The scope of this project consists of installing roughly 360 ft. of 24" HDPE sock pipe, eight 24" Nyloplast Basins, 12 yds. Of concrete, 40 ft. of 15" HDPE Pipe, 10 tons of asphalt, 120 tons of 57 stone and restore the ground cover.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$27,000	\$0	\$0	\$0	\$0	\$27,000
Total	\$27,000	\$0	\$0	\$0	\$0	\$27,000

PROJECT NAME: Manny Rodriguez Park Drainage System **PROJECT NUMBER:** 24130

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

PROJECT DESCRIPTION

The current drainage system at Manny Rodriguez Park is old and in need of replacement. This project would remove and replace 360 ft. of this pipe run, rehab/line 110 ft. of the run, remove and replace one headwall with a U-wall, add one pre-cast drainage structure in the system and restore the ground cover in the area. This project will greatly improve the reliability of the system.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$21,000	\$0	\$0	\$0	\$0	\$21,000
Total	\$21,000	\$0	\$0	\$0	\$0	\$21,000

PROJECT NAME: Catalina Blvd. (1746 & 1750) Improvements **PROJECT NUMBER:** 29246

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

PROJECT DESCRIPTION

The stormwater runoff in this area has caused major erosion that continually needs to be addressed. Improvements in the area such as the installation of 15" HDPE pipe, reshaping the area and the installation of drainage boxes should reduce the amount of erosion in the area after a rain event.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$5,000	\$0	\$0	\$0	\$0	\$5,000
Total	\$5,000	\$0	\$0	\$0	\$0	\$5,000

~~PROJECT NAME: E. Cooper Drive (1830) Improvements~~ ~~PROJECT NUMBER: 21004~~

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

PROJECT DESCRIPTION

~~This area often encounters erosion problems after a rain event. This project should eliminate this issue as well as improve the overall stormwater conveyance in this area. The scope of this project consists of installing roughly 900 ft. of 18" HDPE pipe, six drainage structures, removing two existing headwalls and retrofitting the road crossing pipe to grated inlets, and installing one 18" U-wall.~~

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$25,000	\$0	\$0	\$0	\$0	\$25,000
Total	\$25,000	\$0	\$0	\$0	\$0	\$25,000

~~PROJECT NAME: Courtland Blvd. & Hathaway St. Improvements~~ ~~PROJECT NUMBER: 29247~~

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

PROJECT DESCRIPTION

~~The intersection at Courtland Blvd & Hathaway Street floods after heavy rain events. These improvements would reduce the amount of standing water in the intersection and roadway making it safer for vehicle and pedestrian use. The scope of this project consists of installing roughly 300 ft. of 15" HDPE pipe, the installation of four drainage structures; tying into the existing system and reshaping the existing swales.~~

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$11,000	\$0	\$0	\$0	\$0	\$11,000
Total	\$11,000	\$0	\$0	\$0	\$0	\$11,000

PROJECT NAME: ~~Apricot Dr. Improvements~~ **PROJECT NUMBER:** ~~21005~~

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

PROJECT DESCRIPTION

~~The existing stormwater system becomes overwhelmed during heavy or prolonged storm events. Our 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 installing roughly 165 ft. of 24" HDPE sock pipe, the installation of one new drainage structure, remove and replace one driveway approach, retrofit existing into a drainage structure, reshape the swales and restore the ground cover.~~

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund-Balance	\$8,000	\$0	\$0	\$0	\$0	\$8,000
Total	\$8,000	\$0	\$0	\$0	\$0	\$8,000

PROJECT NAME: ~~Gregory Dr. & Pembroke St. Improvements~~ **PROJECT NUMBER:** ~~29248~~

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

PROJECT DESCRIPTION

~~The intersection at Gregory Dr. & Pembroke St. floods after heavy rain. These improvements would reduce the amount of standing water in the intersection and roadway making it safer for vehicle and pedestrian use. The scope of this project consists of installing roughly 300 ft. of 18" HDPE pipe, install three new drainage structures with grated inlets, install one new drainage structure, rehab/retrofit existing structure, perform two asphalt road cuts, reshape the swales and restore the ground cover.~~

Funding Summary

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

PROJECT NAME: Shiprock Court Improvements **PROJECT NUMBER:** 29230

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

PROJECT DESCRIPTION

The swale areas along portions of Shiprock Court have standing water for prolonged periods after heavy storm events. The project should greatly improve these conditions. The scope of this project consists of installing roughly 600 ft. of 15" HDPE pipe, install eight new drainage structures, perform two road crossings, install one 15' U-Wall, reshape the swales and restore the ground cover.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Drawdown of Fund Balance	\$21,000	\$0	\$0	\$0	\$0	\$21,000
Total	\$21,000	\$0	\$0	\$0	\$0	\$21,000

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 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 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
Total	\$301,700	\$244,592	\$59,292	\$0	\$0	\$605,584

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

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

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 will take place this fiscal year, with construction as part of Phase 2 taking place in future years.

Funding Summary

<u>Source/YR</u>	<u>FY 15/16</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>Total</u>
<u>Operating Surplus</u>	\$0	\$325,000	\$0	\$0	\$0	\$325,000
<u>Drawdown of Fund Balance</u>	\$100,000	\$0	\$0	\$0	\$0	\$100,000
<u>Total</u>	<u>\$100,000</u>	<u>\$325,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$425,000</u>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WASTEWATER

CAPITAL IMPROVEMENT PROJECTS SUMMARY

Project No.	Project	FY 2014-2015 2015-2016	FY 2015-2016 2016-2017	FY 2016-2017 2017-2018	FY 2017-2018 2018-2019	FY 2018-2019 2019-2020	Total
46010	Easter Wastewater Treatment Plant	\$ 16,012,100 <u>1,500,000</u>	\$ 1,000,000	\$0	\$0	\$0	\$ 17,012,100 <u>1,500,000</u>
45009	Rehab Sewer Collection System	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
44011	RIB Site for EWWTP	\$392,000	\$0	\$0	\$0	\$0	\$392,000
43012	Doyle Rd Reclaimed Main	\$3,097,500	\$0	\$0	\$0	\$0	\$3,097,500
43011	Master Lift Station-Doyle Road	\$606,300	\$0	\$0	\$0	\$0	\$606,300
43014	Reclaimed Water System Interconnect	\$ 1,106,000 <u>368,700</u>	\$0	\$0	\$0	\$0	\$ 1,106,000 <u>368,700</u>
43013	Alexander GST & Pump Station (Golf Course)	\$2,600,000	\$0	\$0	\$0	\$0	\$2,600,000
43001	Lift Station Rehabs	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
43015	Whitewood/Wellington Rehab	\$112,500	\$0	\$0	\$0	\$0	\$112,500
<u>41013</u>	<u>Lake Monroe Reclaim Withdrawal Phase 4A</u>	<u>\$500,000</u>	<u>\$1,000,000</u>	<u>\$3,000,000</u>	<u>\$2,000,000</u>	<u>\$0</u>	<u>\$6,500,000</u>
<u>41014</u>	<u>Lake Monroe Reclaim Withdrawal Phase 4B</u>	<u>\$150,000</u>	<u>\$250,000</u>	<u>\$250,000</u>	<u>\$2,000,000</u>	<u>\$3,000,000</u>	<u>\$5,650,000</u>
<u>45010</u>	<u>Reclaimed Water System-Dewey Boster</u>	<u>\$50,000</u>	<u>\$250,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$300,000</u>
<u>45011</u>	<u>Reclaimed Water System-Coventry</u>	<u>\$100,000</u>	<u>\$200,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$300,000</u>
<u>45012</u>	<u>Reclaimed Water System-Live Oak</u>	<u>\$100,000</u>	<u>\$200,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$300,000</u>
<u>44002</u>	<u>EWWTP-LS/FM Improvements</u>	<u>\$400,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$400,000</u>
<u>43018</u>	<u>East Side School Reclaim Connects (CUP/AWS)</u>	<u>\$50,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$50,000</u>
<u>44013</u>	<u>Alexander Ave. Phase 2 RIB</u>	<u>\$400,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$400,000</u>
<u>43019</u>	<u>Farrington Lift Station & Force Main</u>	<u>\$150,000</u>	<u>\$500,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$650,000</u>
Total Projects Expenditures		\$24,101,400 <u>3,943,700</u>	\$1,175,000 <u>2,575,000</u>	\$175,000 <u>3,425,000</u>	\$175,000 <u>4,175,000</u>	\$175,000 <u>3,175,000</u>	\$25,801,400 <u>17,293,700</u>

Revenue Source	FY 2014/2015 <u>2015/2016</u>	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>	Total
Drawdown of Fund Balance	\$ <u>1,623,700</u>	\$175,000 <u>1,325,000</u>	\$175,000	\$175,000	\$175,000	\$700,000 <u>3,473,700</u>
Debt Proceeds Impact Fees	\$5,260,700 <u>170,000</u>	\$0	\$0	\$0	\$0	\$5,148,200 <u>170,000</u>
SRF Loan Proceeds	\$16,144,200 <u>2,050,000</u>	\$1,000,000 <u>920,000</u>	<u>\$2,260,000</u>	<u>\$2,680,000</u>	<u>\$2,010,000</u>	\$17,144,200 <u>9,920,000</u>
Grants	\$2,696,500 <u>100,000</u>	<u>\$330,000</u>	<u>\$990,000</u>	<u>\$1,320,000</u>	<u>\$990,000</u>	\$2,696,500 <u>3,730,000</u>
Total Revenues	\$24,101,400 <u>3,943,700</u>	\$1,175,000 <u>2,575,000</u>	\$175,000 <u>3,425,000</u>	\$175,000 <u>4,175,000</u>	\$175,000 <u>3,175,000</u>	\$25,801,400 <u>17,293,700</u>

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Grants	\$ 259,900 100,000	\$0	\$0	\$0	\$0	\$ 259,900 100,000
SRF Loan Proceeds (EWWTP)	\$ 15,752,200 1,400,000	\$ 1,000,000	\$0	\$0	\$0	\$ 16,752,200 1,400,000
Total	\$ 16,012,100 1,500,000	\$ 1,000,000	\$0	\$0	\$0	\$ 17,012,100 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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Drawdown of Fund Balance	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$ 4 500,000
Debt Proceeds	\$ 100,000	\$0	\$0	\$0	\$0	\$ 100,000
Total	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000

PROJECT NAME: RIB Site for EWWTP **PROJECT NUMBER:** 44011

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

PROJECT DESCRIPTION

This RIB site will physically be located on the southern portion of the 122 acre site. The design and completion of the Eastern Wastewater Treatment facility relies on this project. The FDEP permit for the Eastern Wastewater Treatment facility will not be issued without completion of this project. Development in the City's growth areas and the SR 415 corridor depends upon the provision of sewer service and the success of this project.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
SRF Loan Proceeds (EWWTP)	\$392,000	\$0	\$0	\$0	\$0	\$392,000
Total	\$392,000	\$0	\$0	\$0	\$0	\$392,000

PROJECT NAME: Doyle Rd Reclaimed Main **PROJECT NUMBER:** 43012

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

PROJECT DESCRIPTION

This line will connect the reclaimed lines recently constructed on SR415 to the existing lines on Doyle Rd. These lines will also connect to the proposed Doyle Road RIB site.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Debt Proceeds	\$1,380,900	\$0	\$0	\$0	\$0	\$1,380,900
Grants	\$1,716,600	\$0	\$0	\$0	\$0	\$1,716,600
Total	\$3,097,500	\$0	\$0	\$0	\$0	\$3,097,500

PROJECT NAME: Master Lift Station — Doyle Road **PROJECT NUMBER:** 43011

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

PROJECT DESCRIPTION

This lift station will serve as the wastewater master pump station for future development of the Doyle Road and SR 415 area. The scope of this project consists of the pump station, related equipment and a generator for emergency power

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Debt Proceeds	\$606,300	\$0	\$0	\$0	\$0	\$606,300
Total	\$606,300	\$0	\$0	\$0	\$0	\$606,300

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Debt Proceeds	\$1,106,000	\$0	\$0	\$0	\$0	\$1,106,000
Drawdown of Fund Balance	198,700					198,700
Impact Fees	170,000	\$0	\$0	\$0	\$0	\$170,000
Total	\$1,106,000 368,700	\$0	\$0	\$0	\$0	\$1,106,000 368,700

PROJECT NAME: Alexander GST & Pump Station (Golf Course) **PROJECT NUMBER:** 43013

PLAN ELEMENT: Infrastructure **POLICY NUMBER:** I1-SS 1.10

PROJECT DESCRIPTION

The scope of this project consists of the construction of a new 1.0 MG pre-stressed concrete composite reclaimed water storage tank and necessary piping. The additional tank will provide more storage space of reclaimed water and allow for greater re-pumping capacity. Grant funding provided at 40% of submitted construction cost.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Debt Proceeds	\$1,880,000	\$0	\$0	\$0	\$0	\$1,880,000
Grants	\$720,000	\$0	\$0	\$0	\$0	\$720,000
Total	\$2,600,000	\$0	\$0	\$0	\$0	\$2,600,000

PROJECT NAME: Lift Station Rehabs

PROJECT NUMBER: 43001

PLAN ELEMENT: Infrastructure

POLICY NUMBER: I2-221.7

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 14/15 15/16	FY 15/16 16/17	FY 16/17 17/18	FY 17/18 18/19	FY 18/19 19/20	Total
Drawdown of Fund Balance	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$300,000 375,000
Debt Proceeds	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000

PROJECT NAME: Whitewood/Wellington Rehab **PROJECT NUMBER:** 43015

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

PROJECT DESCRIPTION

The project consists of rehabilitation of a deteriorating manhole in the Whitewood Drive and Wellington Drive area that is critical to the sewer service for the northwest portion of the City. The scope of this project includes bypass pumping and roadway repair.

Funding Summary

Source/YR	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Debt Proceeds	\$112,500	\$0	\$0	\$0	\$0	\$112,500
Total	\$112,500	\$0	\$0	\$0	\$0	\$112,500

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

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

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

<u>Source/YR</u>	<u>FY 15/16</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>Total</u>
Grants	\$0	\$0	\$0	\$600,000	\$990,000	\$1,650,000
SRF Loan Proceeds (EWWTP)	\$150,000	\$250,000	\$250,000	\$1,340,000	\$2,010,000	\$4,000,000
Total	\$150,000	\$250,000	\$250,000	\$2,000,000	\$3,000,000	\$5,650,000

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

<u>Source/YR</u>	<u>FY 15/16</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>Total</u>
Drawdown of Fund Balance	\$50,000	\$250,000	\$0	\$0	\$0	\$300,000
Total	\$50,000	\$250,000	\$0	\$0	\$0	\$300,000

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

<u>Source/YR</u>	<u>FY 15/16</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>Total</u>
<u>Drawdown of Fund Balance</u>	\$100,000	\$200,000	\$0	\$0	\$0	\$300,000
<u>Total</u>	<u>\$100,000</u>	<u>\$200,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$300,000</u>

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

<u>Source/YR</u>	<u>FY 15/16</u>	<u>FY 16/17</u>	<u>FY 17/18</u>	<u>FY 18/19</u>	<u>FY 19/20</u>	<u>Total</u>
<u>Drawdown of Fund Balance</u>	\$100,000	\$200,000	\$0	\$0	\$0	\$300,000
<u>Total</u>	<u>\$100,000</u>	<u>\$200,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$300,000</u>

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

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

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

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

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

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

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

Certification of Availability of
Permitted Disposal Capacity

APPENDIX B



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.

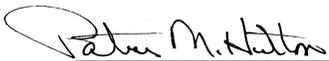
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jeff Prather
Director, Central District

FILING AND ACKNOWLEDGMENT

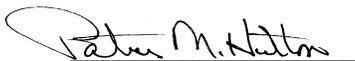
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.


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.

Capital Five-Year Fiscal Forecast

REVENUES:	Budget 2015-2016	Forecast 2016-2017	Forecast 2017-2018	Forecast 2018-2019	Forecast 2019-2020
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	43,939,633	45,697,218	47,525,107	49,426,112	51,403,156
Sales tax	36,433,854	36,798,192	37,166,174	37,537,836	37,913,214
Interest income	-	-	-	-	-
Impact fees	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Sale of Property & other local Revenue	-	-	-	-	-
Total local sources	83,373,487	85,495,410	87,691,281	89,963,948	92,316,370
TOTAL REVENUE	84,703,487	86,825,410	89,021,281	91,293,948	93,646,370
OTHER SOURCES OF FUNDS:					
Transfers In	-	-	-	-	-
Other Financing Sources	-	-	-	-	-
Restricted Fund Balance	48,721,640	26,320,644	32,543,260	30,132,927	35,491,861
Total other sources	48,721,640	26,320,644	32,543,260	30,132,927	35,491,861
TOTAL REVENUE, OTHER SOURCES & FUND BALANCES	\$ 133,425,127	\$ 113,146,054	\$ 121,564,541	\$ 121,426,875	\$ 129,138,231
EXPENDITURES (by category):					
New Construction	\$ 1,000,000	\$ 16,000,000	\$ 21,000,000	\$ 4,000,000	\$ 33,000,000
Projects at Existing Schools & Facilities	18,545,000	15,000,000	26,500,000	40,000,000	26,500,000
Facilities Management	1,600,000	1,800,000	2,000,000	2,000,000	2,000,000
Technology	6,300,000	6,000,000	9,000,000	9,000,000	9,000,000
System Wide Equipment and Vehicles	2,500,000	3,000,000	3,000,000	3,000,000	3,000,000
Buses	2,605,250	2,687,780	2,687,780	2,687,780	2,687,780
Projects in Progress	15,840,843	-	-	-	-
TOTAL EXPENDITURES	48,391,093	44,487,780	64,187,780	60,687,780	76,187,780
TRANSFERS OUT:					
To General Fund	9,007,250	7,007,250	5,007,250	3,007,250	1,007,250
To Debt Service Funds	49,706,140	29,107,764	22,236,584	22,239,984	22,237,594
TOTAL TRANSFERS	58,713,390	36,115,014	27,243,834	25,247,234	23,244,844
Restricted Fund Balance	26,320,644	32,543,260	30,132,927	35,491,861	29,705,607
TOTAL EXPENDITURES, TRANSFERS & FUND BALANCES	\$ 133,425,127	\$ 113,146,054	\$ 121,564,541	\$ 121,426,875	\$ 129,138,231



Capital Five-Year Work Program

	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020
New Construction					
Pierson Elm - Replacement	\$ 1,000,000	\$ 15,000,000	\$ -	\$ 1,000,000	\$ -
Chisholm Elm - Replacement	-	1,000,000	15,000,000	1,000,000	-
George Marks Elm - Replacement	-	-	-	1,000,000	-
Tomoka Elm - Replacement	-	-	-	1,000,000	-
Deltona Middle - Replacement	-	-	2,000,000	-	30,000,000
Elementary Additional Capacity	-	-	4,000,000	-	3,000,000
Total New Construction	1,000,000	16,000,000	21,000,000	4,000,000	33,000,000
Major Projects at Existing Schools & Facilities					
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
Various Schools - High School Athletics	500,000	1,000,000	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 - Security	250,000	1,000,000	2,000,000	2,000,000	2,000,000
Various Schools - Minor Projects	2,500,000	3,000,000	3,000,000	3,000,000	3,000,000
Atlantic HS - Renovations	-	-	10,000,000	-	-
New Smyrna Beh Mid - Renovations & Additions	-	-	-	-	10,000,000
Orange City Elm - Renovations & Additions	-	-	-	8,500,000	-
Pine Trail Elm - HVAC, Ceiling & Lighting	5,500,000	-	-	-	-
Spruce Creek H.S. - Renovations & Additions	-	-	-	15,000,000	-
Various Facilities - Facilities Review Projects	8,295,000	8,500,000	8,500,000	8,500,000	8,500,000
Total Major Prjs at Existing Facilities	18,545,000	15,000,000	26,500,000	40,000,000	26,500,000
Facilities Management					
Facilities Management - Various Projects	1,600,000	1,800,000	2,000,000	2,000,000	2,000,000
Technology					
Network, EDP & Communications Equipment	6,300,000	6,000,000	9,000,000	9,000,000	9,000,000
System Wide Equipment & Vehicles					
Various Schools & Departments Furn. & Equip.	2,500,000	3,000,000	3,000,000	3,000,000	3,000,000
Buses					
Transportation Dept - Bus Replacement	2,605,250	2,687,780	2,687,780	2,687,780	2,687,780
PROJECT TOTALS	\$ 32,550,250	\$ 44,487,780	\$ 64,187,780	\$ 60,687,780	\$ 76,187,780
Transfers					
Transfers - To General Fund	9,007,250	7,007,250	5,007,250	3,007,250	1,007,250
Transfers - To Debt Service	49,706,140	29,107,764	22,236,584	22,239,984	22,237,594
Total Transfers	58,713,390	36,115,014	27,243,834	25,247,234	23,244,844
GRAND TOTAL	\$ 91,263,640	\$ 80,602,794	\$ 91,431,614	\$ 85,935,014	\$ 99,432,624



School Facilities LOS Chart

APPENDIX D

Deltona Schools Level of Service/Utilization Charts 2013/14 - 2015/16

West Planning Area									
	Actual 20 Day Enrollment			Actual 20 Day Enrollment			Actual 20 Day Enrollment		
	2013/2014			2014/2015			2015/2016		
School	Enrollment	Capacity	Utilization	Enrollment	Capacity	Utilization	Enrollment	Capacity	Utilization
Elementary Schools									
Volusia Pines	618	563	110%	595	563	106%	603	563	107%
Elementary Total	618	563	110%	595	563	106%	603	563	107%
High Schools									
University	2806	2667	105%	2888	2667	108%	2863	2667	107%
High Total	2806	2667	105%	2888	2667	108%	2863	2667	107%
Southwest Planning Area									
	Actual 20 Day Enrollment			Actual 20 Day Enrollment			Actual 20 Day Enrollment		
	2013/2014			2014/2015			2015/2016		
School	Enrollment	Capacity	Utilization	Enrollment	Capacity	Utilization	Enrollment	Capacity	Utilization
Elementary Schools									
Deltona Lakes	731	908	81%	753	908	83%	826	908	91%
Discovery	673	725	93%	714	725	98%	643	725	89%
Enterprise	577	671	86%	604	671	90%	577	671	86%
Forest Lake	654	733	89%	643	733	88%	653	733	89%
Friendship	452	531	85%	419	531	79%	416	531	78%
Osteen	526	764	69%	553	764	72%	516	764	68%
Pride	583	765	76%	547	765	72%	575	765	75%
Spirit	686	768	89%	757	768	99%	753	768	98%
Sunrise	510	731	70%	479	731	66%	543	731	74%
Timbercrest	738	722	102%	729	722	101%	743	722	103%
Elementary Total	6130	7318	84%	6198	7318	85%	6245	7318	85%
Middle Schools									
Deltona	1137	1190	96%	1092	1190	92%	1037	1190	87%
Galaxy	1067	1167	91%	1063	1167	91%	1009	1167	86%
Heritage Middle	1210	1110	109%	1197	1110	108%	1155	1110	104%
Middle Total	3414	3467	98%	3352	3467	97%	3201	3467	92%
High Schools									
Deltona	1686	1864	90%	1724	1864	92%	1781	1864	96%
Pine Ridge	1634	1744	94%	1660	1744	95%	1746	1744	100%
High Total	3320	3608	92%	3384	3608	94%	3527	3608	98%

Volusia County 2014 Average Annual
Daily Traffic & Historical Counts

APPENDIX E

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 V/C Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity
Rd Name	Limits	Cnt. Sta	SIS_14	EVAC2014	MainRes	Tfare14	Distance	Lanes_14	SPD2013	Direction	F_Type_14	Fun_Class_2010	AADT_05	AADT_06	AADT_07	AADT_08	AADT_09	AADT_10	AADT_11	AADT_12	AADT_13	AADT_14	CA_LoS_14	Cap_14	VCRatio	LOS_13	2W_Cap_14
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	112,500	112,000	113,000	111,000	108,000	115,000	109,500	103,000	107,500	114,500	D	113,000	1.01	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	111,500	115,500	119,500	115,000	107,500	111,500	102,500	106,500	108,000	110,000	D	93,000	1.18	D	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	97,500	96,600	95,356	92,578	94,700	95,400	93,600	93,900	96,400	99,800	D	93,000	1.07	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	83,500	86,500	89,000	86,000	53,500	86,500	79,500	88,000	88,500	89,500	D	93,000	0.96	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	57,500	59,500	61,500	58,000	75,000	76,000	70,500	77,500	77,000	78,000	D	93,000	0.84	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	62,000	59,000	61,000	58,000	61,500	65,000	62,000	55,500	60,500	65,500	D	93,000	0.70	B	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	49,500	53,500	54,500	56,000	56,000	56,000	54,000	55,000	55,000	55,000	C	61,500	0.91	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	36,500	37,500	42,500	47,500	45,500	43,000	43,000	40,000	40,000	41,000	D	61,500	0.67	B	5,540
I-95	N. of Volusia/Flagler Co. Line	292-F	Yes	Yes	FDOT	Yes		6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	63,000	65,000	-	57,700	63,200	64,700	62,500	63,200	65,100	67,300	D	93,000	0.72	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	58,500	58,500	58,500	53,000	66,000	67,000	60,500	64,500	69,500	70,500	D	93,000	0.76	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	60,000	55,000	68,500	69,000	62,500	66,500	63,500	64,500	D	93,000	0.69	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	70,500	80,500	73,000	79,000	79,500	68,000	76,000	69,500	70,000	74,000	D	113,000	0.65	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	75,500	80,000	74,000	68,000	70,000	70,500	74,500	71,500	71,500	75,500	D	93,000	0.81	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	91,000	119,000	56,000	57,500	70,000	70,500	74,500	71,500	71,500	75,500	D	113,000	0.67	B	11,860
I-95	Beville Rd./I-4 to SR 421 (Dunlawton Ave.)	492	Yes	Yes	FDOT	Yes	4.57	4	70	N+S	UA FWIS 4L	Principal Arterial - Interstate - Urban	49,500	49,500	56,000	57,500	52,500	51,000	44,500	42,500	45,000	46,500	D	61,500	0.76	C	5,540
I-95	SR 421 (Dunlawton Ave.) to SR 44	133	Yes	Yes	FDOT	Yes	6.99	4	70	N+S	UA FWIS 4L	Principal Arterial - Interstate - Urban	41,000	40,400	40,119	36,377	37,400	38,000	36,600	36,900	36,600	37,700	D	61,500	0.61	B	5,540
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	34,000	28,500	33,500	34,000	32,000	32,000	31,000	31,000	32,500	35,000	D	61,500	0.57	B	5,540
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	27,500	31,500	27,000	24,500	26,000	24,500	30,500	30,000	26,500	27,500	C	43,000	0.64	B	5,540
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	13,600	17,100	15,135	13,680	12,100	11,600	11,200	10,700	10,700	11,000	D	65,600	0.17	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	17,100	18,300	19,900	16,800	15,200	15,400	15,100	13,400	14,300	14,200	D	65,600	0.22	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	22,500	23,000	23,000	22,500	21,500	21,500	20,500	19,400	20,200	21,000	D	39,800	0.53	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	34,500	30,000	31,000	29,000	25,500	25,500	26,000	22,500	25,500	26,500	D	39,800	0.67	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	19,600	19,800	18,000	18,200	17,000	16,800	16,300	16,400	16,600	17,500	D	39,800	0.44	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	26,500	27,000	25,000	23,500	22,500	23,000	21,500	19,000	20,300	20,800	D	39,800	0.52	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	29,000	28,500	28,500	27,000	26,000	26,000	26,000	21,500	24,000	24,500	D	39,800	0.62	C	3,580
US 1	LPGA Blvd. to SR 430 (Mason Ave.)	1018		Yes	FDOT	Yes	1.47	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	28,500	28,500	28,500	27,000	26,000	26,000	21,500	24,000	24,500	24,500	D	32,400	0.76	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	28,500	30,000	30,000	29,000	29,500	28,500	27,000	27,000	27,000	27,000	D	32,400	0.83	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	32,000	32,500	29,500	29,000	28,000	27,000	24,000	23,500	26,000	30,500	D	32,400	0.94	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	35,000	32,000	30,000	30,000	29,000	28,000	28,000	26,000	29,000	29,000	D	32,400	0.82	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	35,500	32,500	30,500	30,500	29,500	28,500	28,000	29,500	28,000	29,500	D	39,800	0.74	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	39,000	33,500	34,000	32,500	31,500	30,500	32,500	30,000	29,500	33,000	D	39,800	0.83	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	35,000	33,000	30,500	30,000	28,000	26,000	28,000	27,500	26,000	29,000	D	39,800	0.73	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	34,000	31,500	29,500	30,000	28,000	27,500	26,500	24,500	27,000	29,000	D	39,800	0.73	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	35,500	33,000	30,000	31,500	29,500	29,000	27,500	25,000	26,500	27,500	D	39,800	0.69	C	3,580
US 1	Reed Canal Rd. to SR 421 (Dunlawton Ave.)	213		Yes	FDOT	Yes	1.18	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	33,500	29,500	31,000	27,500	26,000	25,500	24,500	24,500	26,500	26,500	D	39,800	0.67	C	3,580
US 1	SR 421 (Dunlawton Ave.) to Commonwealthwealth to Nova Rd.	5057		Yes	FDOT	Yes	1.37	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	24,500	23,500	22,500	22,500	20,500	20,100	20,500	19,600	20,300	20,500	D	39,800	0.52	C	3,580
US 1	Commonwealthwealth to Nova Rd.	152		Yes	FDOT	Yes	1.23	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	21,000	20,500	17,000	15,800	15,200	15,800	14,100	13,800	13,900	13,200	D	39,800	0.33	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	22,500	23,500	22,000	21,500	20,900	20,100	19,400	19,600	20,500	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	26,000	29,000	24,500	23,500	21,800	22,500	23,500	22,500	23,500	24,500	D	39,800	0.62	C	3,580
US 1	Turnbull Bay Rd. to Canal St. (Bus. SR 44)	5155		Yes	FDOT	Yes	1.34																				

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	2010 Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 VIC Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity
SR A1A - Ocean Shore Blvd.	Westmayer Pl. to N. 17th St.	0246-F		Yes	FDOT	Yes	2.25	2	45	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	6,700	6,100	5,600	4,900	6,000	4,800	5,000	4,700	5,200	5,700	D	24,200	0.24	B	2,170
SR A1A - Ocean Shore Blvd.	N. 17th St. to SR 100	1002-F		Yes	FDOT	Yes	1.25	2	45	N+S	UA SSAC1 2W 2L U WL	Principal Arterial - Other - Urban	8,500	7,500	6,800	5,600	6,400	6,000	6,200	5,900	6,500	6,200	D	17,700	0.35	C	1,600
SR A1A - Ocean Shore Blvd.	SR 100 to S. 23rd St.	1001-F		Yes	FDOT	Yes	2.10	2	35	N+S	UA SSAC2 2W 2L U WL	Principal Arterial - Other - Urban	10,100	8,700	7,800	7,000	9,200	7,700	7,600	7,700	6,500	8,900	D	17,700	0.50	D	1,330
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	7,300	6,000	5,500	4,600	6,000	5,000	4,700	4,600	5,100	5,400	D	24,200	0.22	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	10,500	16,300	17,100	17,300	15,100	15,700	15,500	15,300	15,800	15,500	D	24,200	0.64	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	10,500	16,300	17,100	17,300	15,100	15,700	15,500	15,300	15,800	15,500	D	24,200	0.64	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	17,600	16,500	16,600	17,500	16,400	15,800	18,500	15,100	15,400	15,700	D	24,200	0.65	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	17,400	18,400	18,100	17,100	17,900	16,800	15,600	12,300	14,000	16,600	D	24,200	0.69	C	2,170
SR A1A - Atlantic Ave. North	SR 40 to Harvard Dr.	5124		Yes	FDOT	Yes	1.70	4	35	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	19,700	19,100	19,800	17,700	19,500	16,500	16,600	17,600	16,400	15,600	D	39,800	0.39	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	21,000	20,000	24,000	20,000	18,500	17,000	17,100	16,400	17,800	18,200	D	39,800	0.46	D	2,920
SR A1A - Atlantic Ave. North	SR 430/Seabreeze Blvd. to SR430/Oakr	5117		Yes	FDOT	Yes	0.12	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	17,700	16,700	24,300	16,600	17,900	19,800	20,800	17,100	15,200	16,300	D	39,800	0.41	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	16,000	15,400	21,500	23,500	17,400	17,800	15,200	16,500	17,300	15,300	D	39,800	0.38	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	14,600	13,300	15,400	13,300	12,800	12,200	11,200	12,000	12,700	11,900	D	39,800	0.30	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	16,000	19,500	18,900	10,500	11,400	10,100	10,700	10,400	12,500	11,900	D	39,800	0.30	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	15,600	13,900	14,900	16,900	11,800	16,100	13,800	11,400	12,800	13,200	D	39,800	0.33	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	17,400	18,800	13,000	16,700	15,800	15,500	13,700	11,200	12,500	11,800	D	39,800	0.30	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	28,500	29,000	29,500	30,000	27,000	24,500	27,000	26,000	26,000	28,000	D	39,800	0.70	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	11,800	15,900	14,700	14,000	13,400	12,800	12,800	12,300	12,400	13,100	D	39,800	0.33	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	21,500	24,500	26,000	24,500	23,000	23,000	24,000	23,500	23,500	23,500	D	59,900	0.39	C	5,390
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	23,500	29,000	29,500	29,000	27,500	26,500	24,000	28,500	27,500	25,500	D	59,900	0.43	C	5,390
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	25,000	31,000	31,000	30,500	29,000	29,000	28,000	28,500	26,000	26,500	D	59,900	0.44	C	5,390
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	32,500	31,500	31,000	32,500	30,000	29,500	27,500	27,000	25,500	26,500	D	59,900	0.44	C	5,390
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	36,000	35,000	35,000	32,000	33,500	32,000	30,000	30,000	31,000	31,500	D	59,900	0.53	C	5,390
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	41,000	38,500	38,000	38,000	34,500	35,000	32,500	32,000	33,000	32,500	D	59,900	0.54	C	5,390
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	40,000	39,000	38,000	37,000	34,500	35,000	34,000	33,000	33,000	34,500	D	59,900	0.58	C	5,390
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	30,000	28,500	29,000	27,500	28,500	27,000	25,500	26,500	26,500	D	59,900	0.44	C	5,390
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	30,000	28,500	29,000	27,500	28,500	27,000	25,500	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	25,000	26,000	26,000	26,500	27,000	26,500	25,500	26,500	27,000	27,000	D	39,800	0.68	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	23,500	25,500	24,500	24,500	25,000	25,500	23,500	25,000	24,500	26,000	D	39,800	0.65	C	3,580
SR 5A - Nova Rd.	Spruce Creek Rd. to US 1	1016		Yes	FDOT	Yes	1.44	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	16,400	17,400	16,900	17,100	16,700	16,900	16,800	16,300	16,800	17,900	D	39,800	0.45	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 0L	Principal Arterial - Other - Rural	3,100	3,000	3,200	2,600	2,400	2,200	2,000	2,200	2,100	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 0L	Principal Arterial - Other - Rural	3,200	3,000	3,100	2,700	2,600	2,600	2,700	2,700	2,800	2,900	C	6,300	0.46	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	7,200	6,800	6,900	6,400	6,000	6,100	6,000	6,300	6,200	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	11,600	10,900	11,400	10,600	10,800	10,700	10,300	10,200	10,600	10,500	D	37,900	0.28	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	15,000	13,700	15,100	13,800	14,000	13,800	13,800	13,100	13,600	13,400	D	37,900	0.35	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	24,000	23,000	23,500	22,500	22,000	22,500	18,900	21,500	20,800	20,800	D	37,900	0.55	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	26,000	27,000	26,000	26,500	25,500	23,500	21,900	23,000	23,000	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	25,500	24,500	24,500	23,500	22,500	22,500	21,500	21,000	22,000	22,000	D	37,900	0.58	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	22,500	24,000	22,000	21,000	20,000	19,200	21,000	20,500	21,000	20,100	D	37,900	0.53	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	22,000	22,500	22,000	21,000	21,000	19,20									

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	2010 Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 V/C Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity	
SR 421 - Dunlawton Ave.	Williamson to Clyde Morris Blvd.	517		Yes	FDOT	Yes	1.07	6	45	E+W	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	37,500	35,500	36,500	37,500	38,000	36,500	39,500	38,500	45,500	48,000	D	59,900	0.80	C	5,390	
SR 421 - Dunlawton Ave.	Clyde Morris Blvd. to SR 5A/Nova Rd.	1014		Yes	FDOT	Yes	1.31	6	50	E+W	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	31,500	29,500	33,500	30,000	31,000	31,500	28,500	26,500	28,500	29,000	29,000	D	59,900	0.48	C	5,390
SR 421 - Dunlawton Ave.	SR5A/Nova Rd. to Spruce Creek Rd.	1015		Yes	FDOT	Yes	0.91	4	45	E+W	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	28,500	32,000	28,000	28,000	29,500	30,500	27,000	28,000	27,500	29,500	D	39,800	0.74	C	3,580	
SR 421 - Dunlawton Ave.	Spruce Creek Rd. to US 1	5181		Yes	FDOT	Yes	0.71	4	45	E+W	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	25,500	29,000	26,000	27,000	26,500	27,500	25,000	25,500	25,000	26,000	D	39,800	0.65	C	3,580	
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	21,000	19,600	20,300	20,300	20,100	18,200	18,200	17,800	18,200	18,500	D	24,300	0.76	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	21,000	19,600	20,300	20,300	20,100	18,200	18,200	17,800	18,200	18,500	D	24,300	0.76	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	21,000	19,600	20,300	20,300	20,100	18,200	18,200	17,800	18,200	18,500	D	32,400	0.57	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	6,900	6,700	6,400	7,000	5,800	6,000	5,500	5,300	5,600	5,900	D	23,880	0.25	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	5,300	4,600	5,300	5,500	5,500	4,800	4,700	3,600	4,100	4,200	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	7,500	7,800	7,300	7,900	7,600	6,700	8,100	7,200	6,400	7,200	D	23,880	0.27	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	6,200	4,800	5,900	6,500	6,300	5,000	5,300	4,300	4,900	4,900	D	19,440	0.25	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	12,200	12,100	11,100	10,600	9,900	9,400	8,700	9,400	9,300	8,300	D	17,700	0.47	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	12,200	12,100	11,100	10,600	9,900	9,400	8,700	9,400	9,300	8,300	D	17,700	0.47	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	7,000	7,100	6,700	6,600	6,100	6,000	5,600	5,300	5,400	5,600	D	17,700	0.32	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	9,700	10,000	9,647	8,972	9,200	9,300	8,900	9,500	9,920	10,200	D	39,800	0.26	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	18,800	20,200	17,300	17,800	16,800	17,700	16,400	16,100	16,800	16,400	D	39,800	0.41	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	20,100	21,400	20,800	18,900	19,200	20,200	19,700	20,100	21,000	21,400	D	65,600	0.33	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	27,000	28,000	27,000	25,500	24,000	24,500	22,000	24,500	24,000	25,500	D	39,800	0.64	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	22,000	20,500	20,500	18,400	17,700	18,300	20,000	18,100	18,900	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	34,000	32,000	31,500	26,500	31,000	30,500	27,000	26,000	32,500	D	37,800	0.86	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	34,000	32,000	31,500	26,500	31,000	30,500	27,000	26,000	32,500	D	37,800	0.86	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	3,580	3,470	3,640	2,970	2,610	2,820	2,980	2,780	2,710	2,750	E	13,640	0.20	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	3,670	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	2,610	2,250	2,520	2,360	1,900	2,060	2,090	1,600	1,700	1,760	E	13,640	0.13	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	3,120	2,970	3,540	2,310	2,850	2,290	2,530	2,410	2,650	2,640	E	13,640	0.19	C	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	660	650	780	590	300	270	320	320	330	330	E	13,640	0.02	C	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	1,470	1,410	920	2,080	2,030	1,700	2,030	2,100	2,270	2,420	E	24,975	0.10	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	1,000	910	1,440	1,740	1,340	1,840	1,470	1,840	2,060	2,100	E	24,975	0.08	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	6,310	4,930	5,590	4,910	5,630	5,290	5,020	5,680	5,230	4,880	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	5,520	4,760	4,970	4,360	4,490	4,460	4,400	5,040	4,670	4,960	E	24,975	0.20	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	7,830	6,330	6,700	7,380	7,190	6,640	6,780	7,640	7,090	7,360	E	24,975	0.29	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	5,000	5,290	5,330	5,430	5,410	5,440	6,000	6,160	6,040	6,120	E	33,300	0.18	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 D WL	Major Collector - Urban	-	-	-	-	2,730	2,690	3,110	3,300	3,320	3,550	E	34,965	0.10	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	E	34,965	0.09	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	7,030	7,370	6,960	7,710	7,920	7,340	6,610	6,080	6,770	6,980	E	14,040	0.50	D	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	13,850	11,950	12,920	12,030	12,620	11,570	10,610	10,230	10,590	10,630	E	14,040	0.76	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	13,500	11,650	12,500	11,680	12,300	11,440	10,310	10,260	10,380	10,320	E	13,640	0.78	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	13,390	12,420	12,300	11,080	11,900	10,810	10,380	10,580	10,650	10,430	E	22,820	0.46	D	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	11,010	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	8,580	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. (DEL)	Cloverleaf Blvd. to Providence Blvd.	DEL-85			City	No	1.00	2	35	N+S	UA NSSRC2 2W 2L U 0L	n/c	3,260	3,250	2,943	-	-	-	-	-	-	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 2																	

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	2010 Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 V/C Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity
Beresford Rd.	Fatio Rd. to Spring Garden Ave.	181			County	No	0.75	2	30	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	720	920	970	670	680	720	670	710	630	670	E	13,640	0.06	C	1,020
Beresford Rd.	Spring Garden Ave. to SR 15A	180			County	No	0.40	2	30	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	710	810	840	730	860	500	470	940	890	860	E	13,640	0.06	C	1,020
Big Tree Rd.	Clyde Morris Blvd. to Nova Rd.	192			County	Yes	1.10	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	9,400	8,350	9,180	8,320	8,630	7,940	7,700	8,080	7,200	7,670	E	13,640	0.56	D	1,020
Big Tree Rd.	Nova Rd. to Magnolia Ave.	193			County	Yes	0.40	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	15,230	13,110	14,860	13,840	13,150	12,830	12,230	11,460	11,040	11,040	E	14,740	0.77	D	1,330
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	13,710	12,120	13,530	11,640	11,180	11,310	10,850	10,160	9,290	10,010	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	9,190	8,400	9,450	9,260	8,190	7,010	7,270	6,790	6,570	6,570	E	14,740	0.47	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	7,330	6,830	7,850	7,050	5,750	5,850	5,230	4,970	5,140	5,030	D	35,820	0.14	C	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	11,150	10,580	11,820	11,290	8,930	8,930	7,960	7,790	7,950	8,160	D	35,820	0.23	C	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	16,110	13,740	15,020	13,920	10,260	11,410	10,250	10,750	11,270	11,270	D	27,700	0.41	C	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	680	750	660	730	560	550	550	550	560	C	6,300	0.09	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	270	400	420	200	240	190	180	180	170	170	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	4,900	3,960	7,690	5,460	5,090	5,100	5,780	5,380	5,200	5,670	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	3,430	3,650	5,320	4,230	3,920	3,760	4,330	4,190	4,060	4,500	E	13,640	0.33	C	1,020
Blue Lake Ave.	SR 44 to Voorhis Ave.	235			County	Yes	0.25	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	3,290	2,900	3,760	3,000	3,260	3,200	3,480	3,520	3,520	3,520	E	13,640	0.26	C	1,020
Blue Lake Ave.	Voorhis Ave. to Beresford Ave.	234			County	Yes	0.75	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	4,160	3,710	4,690	4,140	3,950	3,940	4,180	4,310	4,010	3,750	E	13,640	0.27	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	4,860	4,840	6,260	5,280	4,970	4,890	5,200	5,730	5,440	5,820	E	13,640	0.43	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	4,550	3,440	5,440	4,290	4,190	4,130	4,110	4,250	3,980	4,180	E	17,050	0.25	C	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	E	13,640	0.40	D	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	210	250	140	100	260	140	180	180	190	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	4,630	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	2,190	2,240	3,562	3,340	-	-	-	-	-	-	E	13,640	-	-	0
Cardinal Blvd.	SR 421/Dunlawton Ave. to Marcelle Ave	260			County	No	0.15	2	30	N+S	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,590	2,780	3,370	4,530	4,630	4,830	5,090	5,160	4,740	4,740	E	13,640	0.35	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	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	1,590	1,540	1,340	1,400	1,470	1,540	1,400	1,460	1,420	1,520	E	13,640	0.11	C	1,230
Cassadaga Rd.	W. Volusia Btlwy. to Macy Ave.	280			County	Yes	1.80	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	2,490	2,410	2,380	1,670	2,170	2,100	1,970	2,190	2,010	1,900	E	13,640	0.14	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	3,250	4,000	4,116	3,161	-	-	-	-	-	-	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	11,560	12,750	15,799	12,089	-	-	-	-	11,700	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	9,700	10,120	9,401	10,733	-	-	-	-	9,780	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	2,690	2,490	2,840	2,390	1,350	1,910	2,070	2,040	2,270	2,200	E	13,640	0.16	C	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	1,710	1,570	1,800	1,780	1,410	1,540	1,640	1,640	1,850	1,870	E	13,640	0.14	C	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	140	180	250	180	200	180	190	160	170	160	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	16,050	16,380	18,450	12,060	12,220	13,030	12,340	11,940	11,230	11,670	E	30,420	0.38	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	15,090	15,840	17,500	11,790	11,970	13,000	14,070	13,560	12,280	13,520	E	37,970	0.36	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	15,430	15,920	17,890	12,700	12,660	13,690	13,450	12,890	12,290	13,370	E	37,970	0.35	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	14,470	14,390	16,700	12,420	12,610	13,630	13,140	12,310	11,990	12,960	E	37,970	0.34	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	22,000	20,500	20,500	18,400	17,700	18,300	20,000	18,100	18,000	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	34,000	32,000	31,500	26,500	31,000	30,500	27,000	26,000	32,500	D	37,800	0.86	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	25,670	25,470	28,340	24,640	23,350	23,290	24,600	22,880	21,790	23,460	E	37,970	0.62	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	25,290	25,040	27,880	22,640	21,970	23,010	24,200	22,260	20,800	22,910	E	37,970	0.60	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	24,800	24,690	27,290	25,290	21,200	22,130	22,750	21,460	20,000	21,710	E	37,970	0.57	C	3,410
Clyde Morris Blvd.	Willow Run Blvd. to SR 421/Dunlawton Ave	332			County	Yes	0.65	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	22,890	22,760	24,710	19,550	19,810	19,880	21,310	19,060	18,420	19,260	E	37,970	0.51	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	11,440	11,390	12,670	8,730	10,300	10,530	10,060	9,900	9,390	9,390	E	17,050	0.55	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	6,010	5,900	6,410	6,620	5,210	5,380	5,250	5,450	5,220	5,180	E	13,640	0.38	C	1,020
Commonwealth Blvd.	Orange Ave. to US 1</																										

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	2010 Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 V/C Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity
Dirksen/DeBary/Doyle	US 17/92 to Sunrise Blvd.	520			County	Yes	1.75	2	45	E+W	UA NSSRC1 2W 2L U OL	Minor Arterial - Urban	7,750	8,110	8,950	7,110	6,330	6,270	6,910	6,230	6,190	6,680	E	13,640	0.49	C	1,230
Dirksen/DeBary/Doyle	Sunrise Blvd to WB I-4 Ramps	521			County	Yes	0.20	2	45	E+W	UA NSSRC1 2W 2L U OL	Minor Arterial - Urban	13,370	13,170	16,300	11,510	10,980	10,720	11,180	10,690	9,980	10,660	E	13,640	0.78	C	1,230
Dirksen/DeBary/Doyle	WB I-4 Ramps to EB I-4 Ramps	522			County	Yes	0.20	4	35	E+W	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	21,200	21,670	22,930	18,940	18,470	17,940	18,660	17,850	17,380	17,850	E	30,420	0.59	D	2,740
Dirksen/DeBary/Doyle	I-4 to Deltona Blvd.	480			County	Yes	0.10	4	35	E+W	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	29,800	31,030	31,210	27,480	26,450	25,730	26,330	26,260	25,480	24,950	E	30,420	0.82	D	2,740
Dirksen/DeBary/Doyle	Deltona Blvd. to Enterprise St.	481			County	Yes	0.65	4	35	E+W	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	20,400	20,900	20,510	17,820	17,680	17,220	17,190	17,240	17,430	17,240	E	30,420	0.57	D	2,740
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	19,650	20,070	19,980	17,150	16,970	22,090	23,180	23,030	22,400	24,130	E	30,420	0.79	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	21,940	22,160	21,930	19,300	18,560	19,280	20,230	21,260	20,460	20,600	E	30,420	0.68	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	13,910	12,340	13,250	11,660	11,570	10,670	11,700	12,400	11,890	11,950	E	13,640	0.88	C	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	10,260	10,030	10,760	9,120	9,670	7,590	9,420	9,580	9,240	9,240	E	13,640	0.68	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	9,380	9,170	9,020	8,180	8,870	8,720	7,880	8,020	7,800	7,670	E	13,640	0.56	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	5,770	5,730	6,700	5,830	6,370	5,800	6,020	5,950	5,800	5,450	E	13,640	0.40	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	E	17,050	0.14	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	Minor Arterial - Urban	-	-	-	-	6,140	6,150	5,910	6,530	6,760	6,940	E	17,050	0.41	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	13,512	16,618	19,622	13,264	12,430	12,740	11,350	11,530	11,350	12,080	E	14,040	0.86	D	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	13,440	13,190	13,780	13,770	11,410	11,590	10,550	10,400	10,150	10,730	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	12,210	11,760	12,880	11,330	11,790	12,090	10,430	10,310	10,230	10,830	E	30,420	0.36	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	5,960	5,640	6,200	5,590	5,500	5,670	5,570	5,060	5,380	4,990	E	14,040	0.36	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	7,530	7,080	7,650	6,590	6,220	6,710	6,980	6,330	6,560	6,190	E	14,040	0.44	C	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	6,750	6,250	6,770	6,640	5,360	5,870	6,010	5,700	5,540	5,210	E	13,640	0.38	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	12,570	-	10,153	5,142	-	-	-	-	7,500	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	8,890	-	7,158	4,805	-	-	-	-	6,130	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	13,360	-	11,751	11,772	-	-	-	-	10,080	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	12,590	-	5,591	10,554	-	-	-	-	9,930	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	13,980	-	6,068	13,766	-	-	-	-	10,530	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	11,960	-	4,736	8,571	-	-	-	-	6,900	7,190	D	10,660	0.67	D	960
Elkcam Blvd. (DEL)	Courtland Blvd. to Rverhead Dr.	DLT-45.080			City	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U OL	n/c	680	-	592	943	-	-	-	-	480	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	790	920	1,030	850	850	860	690	720	690	660	C	6,300	0.10	B	590
Emporia Rd.	Peterson/Blackburn to US 17	564			County	Yes	1.45	2	40	E+W	RUA UFH 2W 2L U OL	Minor Collector - Rural	1,300	1,540	1,640	1,210	1,420	1,880	1,280	1,230	1,230	1,060	C	6,300	0.17	B	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	7,480	7,400	7,110	7,500	7,210	7,640	7,460	7,000	7,740	7,900	E	13,640	0.58	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	22,530	24,250	23,270	23,090	23,210	22,160	22,090	20,900	19,330	20,650	E	30,420	0.68	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	23,030	24,860	25,370	24,100	25,340	23,550	23,670	22,790	20,710	22,110	E	37,970	0.58	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	21,140	20,510	23,720	23,150	24,490	23,470	23,460	23,750	21,590	23,790	E	37,970	0.63	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	14,390	14,090	15,750	14,720	14,990	12,530	15,330	14,620	14,110	15,010	E	30,420	0.49	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	6,290	6,310	6,860	5,990	6,100	7,030	7,800	7,150	7,270	7,390	E	14,040	0.53	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	2,840	2,970	2,790	2,580	2,480	2,570	2,690	2,470	2,470	2,490	E	10,220	0.24	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	1,910	1,960	2,020	1,870	1,840	1,750	1,850	1,690	1,690	1,760	E	10,220	0.17	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	1,330	1,270	1,350	1,150	1,210	1,050	1,160	1,080	1,080	1,140	E	10,220	0.11	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	1,670	1,570	1,860	1,200	1,220	1,190	1,190	1,080	1,150	1,030	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	1,770	1,640	1,950	1,370	1,380	1,340	1,360	1,270	1,330	1,220	E	13,640	0.09	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	2,990	2,860	3,400	2,300	2,390	2,270	2,310	2,300	2,290	2,140	E	13,640	0.16	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	3,000	2,790	3,310	2,500	2,740	2,520	2,440	2,510	2,430	2,380	E	13,640	0.17	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	2,096	1,850	2,140	2,080	1,940	2,180	2,150	2,200	2,150	2,210	E	13,640	0.16	C	1,020
Eustace Ave. (DEL)	Catalina Blvd. to Providence Blvd.	DLT-55.010			City	No	0.85	2	30	E+W	UA NSSRC2																

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 V/C Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity	
Halleck St. (NSB)	Wayne Ave. to Enterprise Ave.	810			County	Yes	0.20	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	6,160	6,210	5,940	6,230	6,110	6,210	6,170	5,780	5,890	6,450	E	13,640	0.47	D	1,020	
Hand Ave.	Williamson Blvd. to Clyde Morris Blvd.	830			County	Yes	1.25	2	50	E+W	UA NSSRC1 2W 2L U WL	Major Collector - Urban	9,080	8,780	8,440	7,870	7,110	8,340	7,660	7,900	6,750	8,330	E	17,050	0.49	C	1,540	
Hand Ave.	Clyde Morris Blvd. to Shangri La Dr.	832			County	Yes	0.75	2	50	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	15,990	15,000	14,800	13,150	11,880	13,510	13,220	13,090	10,230	13,950	E	13,640	1.02	F	1,230	
Hand Ave.	Shangri La Dr. to Nova Rd.	833			County	Yes	0.25	4	45	E+W	UA NSSRC1 2W 4L D WL	Major Collector - Urban	17,210	17,010	15,840	14,200	13,750	15,150	14,880	14,320	13,350	14,950	E	37,970	0.39	C	3,410	
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	12,180	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	11,420	11,460	13,760	12,190	12,110	12,770	12,390	11,850	11,760	-	-	E	14,040	-	-	0
Hazen Rd.	Mercers Femery Rd. to Plymouth Ave.	852			County	Yes	1.50	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	680	850	880	620	630	590	720	700	800	820	E	13,640	0.06	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	1,190	1,370	1,480	1,190	1,130	1,130	1,050	1,240	1,250	1,400	E	13,640	0.10	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	1,930	1,950	1,980	2,100	2,260	1,880	1,810	1,840	2,120	1,760	D	12,740	0.14	C	1,150	
Highbanks Rd. (DB)	Westside Connector to US 17/92	861			City	Yes	1.00	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	10,810	10,850	10,550	9,700	10,380	9,600	10,010	9,840	9,860	10,010	D	10,660	-	-	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	7,360	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	2,340	2,010	2,010	1,950	2,370	2,130	1,830	2,100	1,750	2,020	C	12,300	0.16	B	1,150	
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	1,950	1,580	1,610	1,560	1,920	1,730	1,520	1,780	1,780	1,660	C	13,640	0.12	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	4,340	4,910	5,770	5,580	5,100	6,190	5,870	5,190	5,820	5,900	E	13,640	0.43	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	4,730	4,980	5,590	4,410	4,700	4,340	5,240	5,020	4,890	5,210	E	13,640	0.38	C	1,020	
Hill Ave. (DL)	Minnesota Ave. to SR 44	883			City	Yes	0.50	2	30	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	4,020	4,380	4,680	3,690	3,800	4,060	4,060	4,010	3,800	-	-	E	13,640	-	-	0
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	2,540	2,760	2,870	2,230	2,290	2,400	2,530	2,780	2,540	2,760	E	13,640	0.20	C	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	2,150	2,310	2,450	2,050	2,080	2,130	2,310	2,370	2,200	2,510	E	13,640	0.18	C	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	0.06	C	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	3,520	3,330	3,570	2,990	2,930	2,930	3,050	2,840	2,820	2,990	C	13,640	0.22	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	1,080	980	1,060	850	780	920	870	790	840	880	C	13,640	0.06	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	29,420	34,200	31,910	29,950	28,290	30,330	30,490	29,890	27,480	30,590	E	37,970	0.81	C	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	26,100	30,200	28,610	26,660	25,260	27,640	28,010	27,440	25,280	27,770	E	37,970	0.73	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	19,850	23,670	22,660	20,700	19,640	21,390	22,110	21,930	20,070	22,700	E	37,970	0.60	C	3,410	
Howland Blvd.	Providence Blvd. to Ellicam Blvd.	906			County	Yes	2.10	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	14,380	14,610	16,590	14,620	13,380	15,390	16,890	14,140	15,150	16,430	E	13,640	1.20	F	1,230	
Howland Blvd.	Ellicam 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	16,610	18,200	17,460	15,020	15,250	15,030	15,300	15,620	14,220	15,090	E	37,970	0.40	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	19,200	21,180	20,690	17,810	16,330	19,340	20,350	20,990	19,330	19,900	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	14,960	16,580	16,820	14,860	13,640	16,250	16,640	16,990	15,600	15,490	E	37,970	0.41	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	9,300	11,280	12,690	11,160	11,570	12,820	13,280	12,920	11,770	11,240	E	17,050	0.66	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	7,770	8,220	11,730	11,870	11,580	12,770	12,650	12,180	12,960	E	17,050	0.76	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	6,120	-	6,106	3,750	-	-	-	-	3,520	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	3,480	-	4,459	3,501	-	-	-	-	-	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	5,650	5,880	7,250	6,340	5,380	5,020	6,090	5,550	5,180	5,150	E	12,740	0.40	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	7,170	7,430	8,330	8,660	7,890	8,470	7,520	7,650	7,680	6,980	D	12,740	0.55	C	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	5,650	5,730	4,760	4,700	4,460	4,900	4,380	4,000	4,070	3,890	D	12,740	0.31	C	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	5,300	4,420	5,180	3,430	4,080	3,880	3,590	3,960	4,570	3,240	E	13,640	0.24	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	6,970	6,150	6,890	5,550	5,620	5,220	5,390	5,520	6,730	4,370	E	13,640	0.32	C	1,020	
John Anderson Dr. (OB)	Halifax Dr. to Neptune	971			City	Yes	1.00	2	25	N+S	UA NSSRC2 2W 2L U 0L	n/c	5,360	4,510	5,070	3,690	3,550	3,620	3,610	3,950	-	-	E	13,640	-	-	0	
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	6,780	6,460	7,120	5,430	5,550	5,110	5,060	5,930	-	-	E	13,640	-	-	0	
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	1,480	1,060	1,060	1,110	1,040	960	1,000	1,140	900	C	12,300	0.08	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	6,050	6,310	6,370	5,610	6,370	6,000	5,810	5,860	5,910	5,820	E	13,640	0.43	D	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	7,460	6,930	6,920	6,870	7,400	7,310	7,350	7,140	-	-	E	14,040	-	-	0	
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	550	400	390	430	420	470	420	460	470	460	E	13,640	0.0			

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	2010 Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 V/C Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity
Main St. (Enterprise)	Jacob Brock Ave to DeBary Ave.	1174			County	Yes	0.35	2	30	N+S	UA NSSRC2 2W 2L U OL	n/c	4,810	4,870	4,440	4,490	4,880	2,830	2,920	2,660	2,370	2,370	E	13,640	0.17	C	1,020
Main St. (Harbor Oaks)	Riverside Dr. to US 1	1175			County	No	0.20	2	25	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	500	570	680	620	480	490	470	510	-	-	E	13,640	-	-	0
Main St. (Lake Helen)	I-4 to Lakeview Dr.	1176			County	Yes	0.95	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	6,330	6,050	6,370	5,320	5,390	5,600	5,500	5,550	5,310	6,190	C	13,640	0.45	D	470
Marsh Rd.	Daugharty Rd. to Carter Rd.	1183			County	Yes	3.00	2	40	N+S	RDA UFH 2W 2L U OL	Minor Collector - Rural	740	810	750	600	710	720	5,500	680	670	720	C	12,300	0.06	B	1,160
Marsh Rd.	Carter Rd. to US 92	1180			County	Yes	2.05	2	35	N+S	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,730	2,920	2,730	2,140	2,140	2,430	2,330	2,340	2,390	2,230	E	13,640	0.16	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	10,020	9,490	10,860	9,090	8,400	8,360	8,300	8,450	8,650	8,380	E	17,900	0.47	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	12,470	11,660	11,550	10,700	10,680	10,580	9,320	9,760	8,460	9,870	E	17,900	0.55	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	15,240	13,750	13,830	13,250	12,140	12,900	11,750	12,520	11,660	11,550	E	37,970	0.30	C	3,410
Mason Ave.	Jimmy Ann Dr. to SR 483/Clyde Morris E	1194			County	Yes	0.50	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	14,140	14,650	16,230	13,510	13,150	13,530	12,120	12,330	11,660	11,820	E	37,970	0.31	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 OL	Minor Collector - Rural	3,720	3,450	3,370	3,120	3,360	3,120	3,350	3,270	3,120	2,730	C	12,300	0.22	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 OL	Minor Collector - Rural	1,200	1,110	720	660	670	650	730	600	700	690	C	6,300	0.11	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 OL	Minor Collector - Rural	1,960	1,770	1,990	1,380	1,650	1,650	1,770	1,680	1,620	1,720	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 OL	n/c	350	380	380	270	290	310	300	220	220	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 OL	Minor Collector - Urban	-	-	-	-	-	-	1,600	1,600	1,570	1,610	E	13,640	0.12	C	1,230
McGregor Rd.	Spring Garden Ave. to US17/92	1211			County	Yes	1.40	2	40	E+W	UA NSSRC1 2W 2L U OL	Major Collector - Urban	5,800	5,440	5,580	4,990	4,730	4,600	8,110	8,850	6,250	7,630	E	13,640	0.56	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 OL	n/c	1,010	2,340	2,380	830	910	860	980	950	1,010	920	E	13,640	0.07	C	1,020
Mercers Fernery Rd.	SR 15A to US 17	1223			County	Yes	1.25	2	35	E+W	UA NSSRC2 2W 2L U OL	n/c	1,300	1,470	1,530	1,170	1,350	1,370	1,580	1,520	1,470	1,420	E	13,640	0.10	C	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	3,110	2,840	3,210	3,310	2,420	2,530	2,380	2,440	2,630	2,450	E	37,970	0.06	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 OL	Minor Collector - Urban	1,740	1,860	1,950	2,230	2,670	2,670	2,650	2,850	2,800	3,440	E	13,640	0.25	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 OL	Minor Collector - Urban	1,790	1,840	1,990	1,110	1,240	1,090	1,100	900	970	1,220	E	13,640	0.09	C	1,020
Minnesota Ave. (DeLand)	Amelia Ave. to Hill Ave	1249			County	Yes	0.75	2	30	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	2,270	1,690	1,850	1,970	2,280	2,170	2,300	2,110	2,060	2,080	E	13,640	0.15	C	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 OL	Major Collector - Urban	2,780	2,070	2,230	2,630	2,840	2,680	2,770	2,650	2,520	2,680	E	13,640	0.20	C	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 OL	Major Collector - Urban	3,890	3,370	3,550	4,270	4,500	3,530	4,530	4,170	4,000	3,390	E	13,640	0.25	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 OL	n/c	1,900	2,040	2,280	2,090	1,860	1,810	1,930	1,950	2,090	2,150	E	13,640	0.16	C	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 OL	Minor Collector - Urban	1,510	1,520	1,700	1,500	1,400	1,470	1,360	1,390	1,410	1,380	E	13,640	0.10	C	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 OL	Minor Collector - Urban	960	1,320	1,430	1,430	1,340	1,430	1,170	1,180	1,230	1,240	E	13,640	0.09	C	1,020
New Hampshire Ave.	SR 15A to Adelle Ave	1270			County	No	0.15	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,730	2,550	2,610	2,080	2,110	2,210	2,280	2,260	2,470	2,720	E	13,640	0.20	C	1,020
New Hampshire Ave.	Adelle Ave to Clara Ave.	1271			County	No	0.50	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	3,320	3,050	3,200	2,550	2,540	2,480	2,630	2,780	2,760	3,070	E	13,640	0.23	C	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 OL	Minor Collector - Urban	3,500	3,200	3,390	2,580	2,640	2,790	2,850	2,830	3,180	E	13,640	0.23	C	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 OL	Major Collector - Urban	8,700	-	8,066	7,061	-	-	-	-	6,060	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 OL	Major Collector - Urban	7,010	-	7,046	6,452	-	-	-	-	6,370	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 OL	Minor Collector - Urban	2,540	-	6,875	1,434	-	-	-	-	1,110	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 OL	Minor Collector - Urban	4,030	4,340	4,730	4,490	3,750	3,850	4,230	3,880	3,990	4,190	E	13,640	0.31	C	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 OL	Minor Collector - Urban	5,390	5,160	5,700	5,350	4,560	4,770	5,230	4,990	4,850	4,860	E	13,640	0.36	C	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 OL	Minor Collector - Urban	6,400	6,320	6,500	6,030	5,300	5,580	6,090	5,640	5,770	6,010	E	13,640	0.44	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 OL	Minor Collector - Urban	1,110	1,100	1,160	910	850	920	900	970	890	900	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 OL	Major Collector - Urban	6,710	-	6,786	4,411	-	-	-	-	7,100	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	7,550	-	6,439	4,893	-	-	-	-	6,890	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	14,930	-	13,190	10,694	-	-	-	-	7,530	10,850	D	29,160	0.27	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 OL	Major Collector - Urban	14,370	-	12,775	10,996	-	-	-	-	10,230	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 OL	Major Collector - Urban	14,360	-	12,843	11,929	-	-	-	-	9,560	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 OL	Major Collector - Urban	10,360	-	12,069	8,305	-	-	-	-	6,850	7,100	D	10,660	0.87	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	10,040	-	8,662	8,148	-	-	-	-	7,020	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	13,310	-	7,640	11,232</											

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	2010 Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 V/C Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity
Pineland Tr.	Harmony Ave. to US 1	1451			County	No	2.00	2	50	E+W	UA NSSRC1 2W 2L U_OL	n/c	650	280	360	300	260	230	220	370	210	220	E	13,640	0.02	C	1,230
Pine Tree Dr.	US 1 to Addison Dr	1440			County	No	1.00	2	35	E+W	UA NSSRC2 2W 2L U_OL	n/c	3,040	2,870	3,020	2,460	2,590	2,600	2,480	2,620	2,540	2,650	E	10,220	0.26	C	920
Pine Tree Dr.	Addison Dr. to Old Dixie Hwy	1441			County	No	1.00	2	35	E+W	UA NSSRC2 2W 2L U_OL	n/c	1,570	1,850	1,890	1,660	1,740	1,420	1,250	1,300	1,750	1,540	E	10,220	0.15	C	920
Pioneer Tr.	SR 44 to Tomoka Farms Rd.	1461			County	Yes	4.00	2	50	E+W	RDA UFH 2W 2L U_OL	Major Collector - Rural	2,530	2,600	2,580	2,730	3,300	3,070	3,340	3,480	4,020	4,420	C	12,300	0.36	B	1,160
Pioneer Tr.	Tomoka Farms Rd. Airport Rd.	1464			County	Yes	1.40	2	45	E+W	UA NSSRC1 2W 2L U_OL	Major Collector - Urban	4,080	4,210	3,620	3,370	3,310	3,660	3,700	3,510	3,670	3,960	E	13,640	0.29	C	1,230
Pioneer Tr.	Airport Rd. to Turnbull Bay Rd.	1465			County	Yes	2.50	2	45	E+W	UA NSSRC1 2W 2L U_OL	Major Collector - Urban	3,380	3,590	2,700	2,620	2,860	2,710	2,720	2,610	2,830	3,040	E	13,640	0.22	C	1,230
Pioneer Tr.	Turnbull Bay Rd. to Sugar Mill Dr	1467			County	Yes	1.75	2	35	E+W	UA NSSRC2 2W 2L U_OL	Major Collector - Urban	3,480	3,850	2,950	2,790	2,670	2,840	2,800	2,780	3,040	3,200	E	13,640	0.23	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_OL	Major Collector - Urban	3,740	4,200	3,630	3,560	4,360	3,920	4,230	4,280	4,710	4,960	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_OL	Major Collector - Urban	5,590	5,460	5,430	5,320	5,830	5,300	5,240	4,910	5,150	5,570	E	13,640	0.41	C	1,230
Pioneer Tr.	Enterprise Ave. to Jungle Rd	1474			County	Yes	0.50	2	35	N+S	UA NSSRC2 2W 2L U_OL	Major Collector - Urban	8,810	8,850	9,410	8,600	8,870	8,380	8,220	7,300	7,280	8,100	E	13,640	0.59	D	1,020
Pioneer Tr.	Jungle Rd to Canal St.	1475			County	Yes	0.25	2	35	N+S	UA NSSRC1 2W 2L U_OL	Major Collector - Urban	2,310	2,120	2,080	2,390	2,630	1,910	1,940	2,120	2,120	2,130	E	13,640	0.16	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	8,300	7,610	8,750	8,020	8,260	7,700	7,550	7,540	7,600	7,660	E	14,740	0.52	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	14,040	14,920	15,200	14,310	14,190	12,420	14,180	11,730	11,780	11,910	E	37,970	0.31	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	12,570	12,470	13,630	12,250	12,570	12,270	11,920	11,390	11,580	11,730	E	37,970	0.31	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_OL	Major Collector - Urban	7,530	7,430	8,040	7,530	7,250	6,920	7,230	6,280	6,420	6,420	E	10,220	0.63	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_OL	Major Collector - Urban	4,880	4,640	5,480	4,400	4,380	4,190	4,250	3,920	4,030	3,780	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_OL	n/c	240	240	200	200	190	280	370	230	370	290	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_OL	Major Collector - Urban	1,290	1,440	1,710	1,360	1,280	1,150	1,080	1,030	1,020	1,010	E	13,640	0.07	C	1,230
Plymouth Ave.	Hazen Rd. to SR 15A	1491			County	Yes	0.75	2	40	E+W	UA NSSRC1 2W 2L U_OL	Major Collector - Urban	4,550	4,860	5,480	5,520	5,790	5,830	5,760	5,120	5,560	5,990	E	13,640	0.44	C	1,230
Plymouth Ave.	SR 15A to Stone St.	1493			County	Yes	0.50	2	35	E+W	UA NSSRC2 2W 2L U_OL	Major Collector - Urban	9,460	10,010	10,540	10,180	9,970	10,320	10,050	9,380	9,070	9,200	E	13,640	0.67	D	1,020
Plymouth Ave.	Stone St. to Clara Ave	1495			County	Yes	0.50	2	35	E+W	UA NSSRC2 2W 2L U_OL	Major Collector - Urban	9,220	10,590	11,050	10,280	10,780	10,460	10,040	9,560	9,820	9,820	E	13,640	0.72	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	11,530	12,210	12,980	12,240	11,990	12,110	11,460	10,910	11,250	11,250	E	14,040	0.80	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	8,650	9,150	9,760	-	-	-	-	-	-	-	E	14,040	-	-	0
Plymouth Ave.	Amelia Ave. to Garfield Ave.	1500			County	Yes	0.20	2	30	E+W	UA NSSRC2 2W 2L U_OL	Major Collector - Urban	6,460	7,040	7,480	7,100	6,960	7,090	6,440	5,850	5,850	5,750	E	13,640	0.42	D	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_OL	Major Collector - Urban	5,600	5,900	6,660	6,250	6,170	6,370	5,900	5,270	5,810	5,610	E	13,640	0.41	D	1,020
Ponce DeLeon Blvd.	CR 3 to US 17	1511			County	Yes	0.85	2	35	N+S	UA NSSRC2 2W 2L U_OL	n/c	3,000	3,440	3,880	2,590	2,890	2,400	2,500	2,260	2,350	1,510	E	13,640	0.11	C	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	4,000	3,930	4,310	3,610	4,960	4,130	4,630	4,230	4,470	4,200	E	17,050	0.25	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	4,420	4,360	4,670	3,940	5,020	4,500	4,800	4,390	4,570	3,910	C	17,050	0.23	C	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	9,440	12,930	14,270	12,870	12,200	10,940	11,990	10,790	11,290	11,040	E	14,040	0.79	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_OL	Minor Arterial - Urban	14,810	16,210	17,680	15,820	15,160	13,630	14,680	13,460	13,070	-	E	13,640	-	-	0
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	22,350	21,480	24,150	20,380	20,830	17,850	19,250	17,390	17,020	17,370	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 NSSRC1 2W 2L D_WL	Minor Arterial - Urban	10,550	11,030	12,210	9,400	9,950	8,670	9,600	9,000	8,510	8,340	E	14,740	0.57	D	1,330
Providence Blvd.	Saxon Blvd. to Normandy Blvd	1535			County	Yes	0.70	2	35	N+S	UA NSSRC2 2W 2L U_OL	Minor Arterial - Urban	12,110	11,080	12,320	9,490	9,080	8,930	9,860	9,310	8,900	8,990	E	13,640	0.66	D	1,020
Providence Blvd.	Normandy Blvd. to Anderson Dr.	1534			County	Yes	0.80	2	35	N+S	UA NSSRC2 2W 2L U_OL	Minor Arterial - Urban	16,600	15,310	17,090	13,440	14,460	12,950	14,410	13,510	13,150	12,900	E	13,640	0.95	E	1,020
Providence Blvd.	Anderson Dr. to Doyle Rd.	1530			County	Yes	0.55	2	35	N+S	UA NSSRC2 2W 2L U_OL	Minor Arterial - Urban	13,760	13,250	14,630	11,680	11,670	10,900	12,270	12,020	11,780	11,720	E	13,640	0.86	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_OL	n/c	310	310	330	300	310	310	250	250	280	330	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_OL	n/c	440	470	500	350	320	380	250	300	300	400	C	6,300	0.06	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_OL	Minor Collector - Urban	7,430	7,640	8,070	6,100	5,850	5,890	5,810	6,040	5,870	6,050	E	13,640	0.44	D	1,020
Reed Canal Rd.	SR5A/Nova Rd. to Sauls St.	1562			County	Yes	0.65	2	35	E+W	UA NSSRC2 2W 2L U_OL	Minor Collector - Urban	11,160	11,230	11,690	11,110	10,200	9,960	9,490	9,600	8,960	9,100	E	13,640	0.67	D	1,020
Reed Canal Rd.	Sauls St. to US 1	1564			County	Yes	0.90	2	35	E+W	UA NSSRC2 2W 2L U_OL	Minor Collector - Urban	10,390	10,460	10,860	8,780	9,280	8,850	8,570	8,080	8,000	8,130	E	13,640	0.60	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_OL	Minor Collector - Urban	1,650	1,660	1,450	1,470	1,510	1,470	1,510	1,510	1,640	1,630	E	13,640	0.12	C	1,230
Reita St.	Grand Ave. to US 17	1580			County	Yes	0.15	2	30	E+W	UA NSSRC2 2W 2L U_OL	Major Collector - Urban	910	860	880	860	890	840	750	730	770	740	E	13,640	0.05	C	1,020

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	2010 Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 V/C Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity	
Spring Garden Ave.	Beresford Ave. to Beresford Rd. West	1732			County	Yes	0.60	2	30	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,270	2,550	2,490	2,380	2,260	1,940	2,030	2,060	1,950	1,980	E	13,640	0.15	C	1,020	
Spring Garden Ave.	Beresford Rd. West to McGregor Rd.	1731			County	Yes	0.90	2	30	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,360	2,640	2,700	2,530	2,450	2,260	2,320	2,420	2,190	2,190	E	13,640	0.16	C	1,020	
Spring Garden Ranch Rd.	US 17 to Aragon Ave	1740			County	Yes	0.20	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,240	3,040	2,780	2,930	3,220	2,860	2,910	3,020	2,670	2,550	E	13,640	0.19	C	1,020	
Spring Garden Ranch Rd.	Aragon Ave to Arrendondo Grant/East A	1742			County	No	1.20	2	35	E+W	RUA UFH 2W 2L U 0L	Major Collector - Urban/Rural	540	470	450	350	420	370	390	420	380	430	C	6,300	0.07	B	590	
Spruce Creek Rd. (PO)	Dunlawton Ave. to Commonwealth Blvd.	1755			City	Yes	1.05	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	9,280	9,470	9,210	7,500	7,250	7,290	6,950	5,710	5,790	-	E	13,640	-	-	0	
Spruce Creek Rd.	Commonwealth Blvd. to SR5A/Nova Rd.	1752			County	Yes	0.50	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	12,130	12,230	12,170	10,660	10,460	9,310	9,960	9,360	8,930	9,830	E	13,640	0.72	D	1,020	
Spruce Creek Rd.	SR5A/Nova Rd. to Taylor Rd.	1751			County	Yes	0.75	4	45	N+S	UA NSSRC1 2W 4L D WL	Major Collector - Urban	19,990	20,470	20,140	15,770	17,650	16,760	16,350	15,350	14,670	15,090	E	37,970	0.40	C	3,410	
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	610	730	780	580	610	610	540	530	500	490	E	13,640	0.04	C	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	5,430	6,370	6,650	6,190	5,690	6,210	5,540	5,270	5,240	5,200	E	13,640	0.38	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	3,240	3,130	2,760	2,370	2,520	2,450	2,370	2,450	2,760	2,980	E	13,640	0.22	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	3,000	2,980	3,180	4,690	4,660	5,630	5,280	4,780	4,430	4,090	E	13,640	0.30	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	430	340	370	370	330	450	350	340	300	370	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	8,390	8,670	8,520	7,460	5,800	7,510	7,170	6,890	7,110	7,400	E	17,050	0.43	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	12,400	12,770	12,460	10,860	10,700	10,610	9,790	9,660	9,570	10,400	E	17,050	0.61	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	18,890	19,390	18,660	16,670	13,880	14,280	14,570	14,300	14,010	14,200	E	17,050	0.83	C	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	20,590	20,960	20,330	-	16,340	14,630	15,190	14,600	13,700	14,530	E	37,970	0.38	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	37,390	38,740	37,180	33,230	33,660	36,960	36,170	38,000	35,490	38,160	E	47,560	0.80	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	14,160	14,300	12,910	13,480	12,880	12,860	12,980	12,840	12,270	12,110	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	21,300	21,810	19,460	19,670	19,620	18,590	19,530	19,350	18,280	18,470	E	37,970	0.49	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	17,420	18,110	14,980	16,620	15,720	15,270	15,600	15,050	14,330	14,610	E	37,970	0.38	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	5,770	5,500	5,680	6,590	6,240	5,820	5,740	6,090	5,690	5,610	E	13,640	0.41	D	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 WL	Minor Arterial - Urban	4,520	4,130	4,280	5,490	5,180	4,710	4,750	5,070	4,780	4,900	E	17,050	0.29	C	1,540	
Taylor Rd. (DL)	Blue Lake Ave. to Martin Luther King Blt	1819			County	Yes	0.80	2	50	E+W	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	4,280	3,960	4,120	5,180	4,790	4,590	4,730	4,960	4,810	5,090	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	1,770	1,450	1,590	1,550	1,340	1,480	1,550	1,500	1,590	1,680	E	13,640	0.12	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	4,200	-	4,095	3,614	-	-	-	-	-	-	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	12,890	-	12,272	13,736	-	-	-	-	-	11,070	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	4,040	4,090	3,630	3,700	3,390	3,810	3,770	4,000	-	4,660	E	24,975	-	-	-	
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	1,830	1,890	2,470	2,660	3,080	3,350	3,550	4,380	5,070	5,800	E	24,975	0.23	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	6,410	6,740	6,560	7,200	6,110	5,920	5,300	5,780	6,030	5,810	E	24,975	0.23	B	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	5,840	6,160	4,960	5,470	4,910	5,470	5,870	5,780	6,210	6,270	E	24,975	0.25	B	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	6,480	6,800	5,030	6,550	5,500	5,970	5,780	5,720	6,150	6,190	E	24,975	0.25	B	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	8,520	8,650	9,050	9,590	7,910	9,180	9,330	8,810	9,790	9,950	E	24,975	0.40	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	5,310	5,550	5,260	6,740	5,000	4,700	4,510	5,110	5,260	5,420	C	12,300	0.44	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	E	17,900	0.26	C	1,620	
Turnbull 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	3,120	3,130	3,290	3,020	3,210	3,340	2,950	2,900	2,860	3,080	E	13,640	0.23	C	1,230	
Turnbull 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	4,130	3,640	4,030	3,810	3,140	3,350	3,080	3,100	3,140	3,050	E	13,640	0.22	C	1,230	
Turnbull 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	4,810	4,550	4,790	4,560	4,510	4,720	4,090	3,890	3,910	3,890	E	13,640	0.29	C	1,020	
Tymer 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	1,440	2,090	2,350	1,450	1,580	1,820	1,750	1,780	1,850	1,860	E	13,640	0.14	C	1,230	
Tymer Creek Rd.	Airport Rd. to Tymer Run	1882			County	Yes	0.90	2	40	N+S	UA NSSRC1 2W 2L U WL	Major Collector - Urban	8,980	8,980	9,930	7,290	8,440	8,240	8,000	8,280	7,870	6,920	E	17,050	0.41	C	1,540	
Tymer Creek Rd.	Tymer Run to SR 40	1881			County	Yes	0.50	4	40	N+S	UA NSSRC1 2W 4L D WL	Major Collector - Urban	13,910	13,990	15,090	13,020	13,470	12,320	12,880	13,400	12,670	11,610	E	17,050	0.68	C	1,540	
Tymer Creek Rd.	SR 40 to Riverbend Rd.	1880			County	Yes	0.45	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	1,030	840	930	820	670	740	770	680	740	750	E	13,640	0.05	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	620	580	700	660	500	420	630	630	550	600	E	13,640	0.04	C	1,020	
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																

Volusia County 2014 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)	2014 No. of Lanes	Posted Speed	Direction	2014 Facility Type	2010 Federal Functional Classification	2005 AADT	2006 AADT	2007 AADT	2008 AADT	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2014 Vol. Co. Allowable LOS	DAILY 2014 LOS Capacity	DAILY 2014 V/C Ratio	DAILY 2014 LOS	PEAK 2Way 2014 LOS Capacity	
Williamson Blvd.	Bellevue Ave. Ext. to SR400/Beville Rd.	1994			County	Yes	1.00	4	50	N+S	UA_NSSRC1_2W_4L_D_WL	Principal Arterial - Other - Urban	17,590	17,570	18,910	15,590	14,890	15,260	14,820	15,070	15,310	14,840	E	37,970	0.39	C	3,410	
Williamson Blvd.	SR400/Beville Rd. to Madeline Ave.	1993			County	Yes	1.50	2	45	N+S	UA_NSSRC1_2W_2L_U_WL	Principal Arterial - Other - Urban	14,020	14,010	14,990	12,710	12,100	14,350	14,280	14,410	14,430	14,410	14,410	E	17,050	0.85	C	1,540
Williamson Blvd.	Madeline Ave. to Willow Run Blvd.	1992			County	Yes	1.10	2	55	N+S	UA_NSSRC1_2W_2L_U_WL	Principal Arterial - Other - Urban	13,860	13,810	14,890	13,310	12,340	14,340	13,220	14,100	14,220	14,560	E	17,050	0.85	C	1,540	
Williamson Blvd.	Willow Run Blvd. Townwest Blvd	1991			County	Yes	0.25	2	55	N+S	UA_NSSRC1_2W_2L_U_WL	Principal Arterial - Other - Urban	11,390	11,380	12,360	11,110	11,540	12,800	13,790	14,130	14,250	15,280	E	17,050	0.90	D	1,540	
Williamson Blvd.	Townwest Blvd to Taylor Rd.	1990			County	Yes	2.75	4	55	N+S	UA_NSSRC1_2W_4L_D_WL	Principal Arterial - Other - Urban	13,160	13,070	14,270	10,990	10,770	14,380	14,340	17,250	16,480	16,450	E	37,970	0.43	C	3,410	
Williamson Blvd.	Taylor Rd. to Spruce Creek Bridge	66			County	Yes	0.80	4	45	N+S	UA_NSSRC1_2W_4L_D_WL	Principal Arterial - Other - Urban	19,810	19,780	18,900	19,530	18,790	19,390	20,180	20,780	19,220	19,690	E	37,970	0.52	D	2,740	
Williamson Blvd.	Spruce Creek Bridge to Airport Rd	65			County	Yes	1.00	4	45	N+S	UA_NSSRC1_2W_4L_D_WL	Principal Arterial - Other - Urban	15,460	15,680	15,640	17,100	15,760	15,180	16,410	17,070	16,200	16,190	D	37,970	0.43	D	2,630	
Williamson Blvd.	Airport Rd to Pioneer Trail	1989			County	Yes	3.00	2	35	N+S	UA_NSSRC2_2W_2L_U_WL	n/c	-	-	-	-	740	1,730	1,710	1,760	1,570	1,650	E	14,040	0.12	C	1,270	
Willow Run Blvd. (PO)	Williamson Blvd. to Hidden Lake Dr.	PO2002			City	Yes	0.50	2	35	E+W	UA_NSSRC2_2W_2L_U_WL	Minor Collector - Urban	4,470	4,510	4,890	5,290	4,810	5,160	5,110	5,440	-	7,520	E	14,040	0.54	D	1,270	
Willow Run Blvd. (PO)	Hidden Lake Dr. to Clyde Morris Blvd.	PO2001			City	Yes	0.85	2	35	E+W	UA_NSSRC2_2W_4L_D_WL	Minor Collector - Urban	8,450	8,680	9,630	-	8,200	8,140	8,230	8,510	-	10,190	E	30,420	0.33	C	2,740	
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	9,620	8,660	8,180	8,690	6,730	8,330	8,010	9,620	-	-	E	14,040	-	-	0	
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	860	1,050	1,140	710	670	720	770	750	740	810	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	840	990	1,100	720	740	750	830	800	740	830	E	13,640	0.06	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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	6,010	7,100	7,970	7,380	7,640	7,250	6,920	6,780	-	10,280	E	17,050	0.60	C	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
 SSAAC2 = 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
169	
Total	740

Daily VMT

Florida DOT	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
SIS Rds =	5,245,558	5,403,051	5,335,606	5,155,047	5,186,090	5,253,250	5,118,011	5,126,566	5,145,738	5,277,331
non-SIS Rds =	3,909,080	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
All State Rds =	9,154,638	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
County										
TFare Rds =	2,564,248	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
TOTAL	11,718,886	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

% of Daily VMT

Florida DOT	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
SIS Rds =	45%	45%	45%	45%	46%	47%	47%	47%	47%	47%
non-SIS Rds =	33%	33%	33%	33%	33%	32%	32%	32%	32%	32%
All State Rds =	78%	78%	78%	79%	79%	79%	79%	79%	79%	80%
County										
TFare Rds =	22%	22%	22%	21%	21%	21%	21%	21%	21%	20%

1-Year Change in Daily VMT

Florida DOT	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1-Yr SIS % Chg =	5.08%	3.00%	-1.25%	-3.38%	0.60%	1.30%	-2.57%	0.17%	0.37%	2.56%
1-Yr non-SIS % Chg =	2.23%	1.02%	-0.97%	-3.37%	-3.08%	-1.98%	-2.38%	-2.33%	3.18%	1.24%
1 Yr All SR % Chg =	3.84%	2.15%	-1.13%	-3.38%	-0.95%	-0.06%	-2.50%	-0.85%	1.50%	2.02%
County										
1-Yr TFare % Chg =	4.18%	1.01%	3.50%	-10.30%	-4.02%	0.19%	-1.03%	0.85%	-2.69%	1.58%
1-Yr All Significant Roads % Chg =	3.92%	1.90%	-0.13%	-4.93%	-1.61%	-0.01%	-2.19%	-0.49%	0.61%	1.93%

3-Year Change in Daily VMT

Florida DOT	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3-Yr SIS % Chg =	-1.54%	-0.72%	-1.15%	-2.05%	3.11%					
3-Yr non-SIS % Chg =	-8.20%	-7.26%	-6.55%	-1.63%	2.02%					
3-Yr All SR % Chg =	-4.36%	-3.49%	-3.38%	-1.88%	2.67%					
County										
3-Yr TFare % Chg =	-13.74%	-4.83%	0.00%	-2.88%	-0.31%					
3-Yr All Significant Roads % Chg =	-6.47%	-3.77%	-2.68%	-2.08%	2.04%					

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.	Wavcrest 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

Deltona Wastewater Treatment Plant
Daily Flows

APPENDIX G

Daily Wastewater Flows October 2014 through September 2015

DATE	O-14	N-14	D-14	J-15	F-15	M-15	A-15	M-15	J-15	J-15	A-15	S-15
1	0.815	0.728	0.794	0.886	0.861	0.861	0.834	0.714	0.900	0.729	0.863	0.969
2	0.882	0.757	0.799	0.786	0.814	0.814	0.811	0.794	0.881	0.715	0.916	0.796
3	0.801	0.768	0.650	0.815	0.777	0.777	0.750	0.856	0.852	0.763	0.868	0.872
4	0.567	0.691	0.841	0.810	0.766	0.766	0.770	0.782	0.757	0.741	0.760	0.867
5	0.728	0.662	0.786	0.851	0.884	0.884	0.850	0.771	0.662	0.833	0.876	0.841
6	0.785	0.745	0.830	0.867	0.781	0.781	0.835	0.806	0.775	0.816	0.849	0.902
7	0.811	0.659	0.911	0.834	0.821	0.821	0.801	0.774	0.827	0.744	0.621	1.005
8	0.771	0.789	0.878	0.798	0.874	0.874	0.848	0.799	0.750	0.705	0.803	0.884
9	0.751	0.623	0.745	0.756	0.821	0.821	0.809	0.735	0.722	0.740	0.843	0.890
10	0.821	0.714	0.838	0.804	0.828	0.828	0.742	0.814	0.763	0.768	0.777	0.877
11	0.715	0.750	0.866	0.895	0.814	0.814	0.748	0.776	0.737	0.745	0.737	0.742
12	0.809	0.654	0.781	0.916	0.845	0.845	0.869	0.798	0.655	0.830	0.717	0.795
13	0.735	0.697	0.842	0.894	0.775	0.775	1.007	0.806	0.744	0.747	0.800	0.954
14	0.760	0.674	0.914	0.787	0.725	0.725	0.904	0.782	0.794	0.724	0.735	0.831
15	0.755	0.640	0.801	0.881	0.857	0.857	0.895	0.768	0.749	0.760	0.803	0.824
16	0.715	0.743	0.712	0.796	0.756	0.756	0.892	0.786	0.722	0.792	0.977	0.920
17	0.670	0.725	0.751	0.899	0.892	0.892	0.857	0.834	0.774	0.735	0.900	0.979
18	0.720	0.606	0.754	0.856	0.823	0.823	0.859	0.850	0.707	0.795	0.853	0.923
19	0.795	0.697	0.959	0.862	0.825	0.825	0.907	0.803	0.613	0.860	0.844	0.959
20	0.747	0.648	0.793	0.855	0.774	0.774	0.942	0.813	0.768	0.723	0.945	1.023
21	0.806	0.633	0.955	0.806	0.788	0.788	0.846	0.857	0.796	0.751	0.845	0.906
22	0.723	0.729	0.988	0.773	0.897	0.897	0.817	0.750	0.728	0.829	0.840	0.849
23	0.698	0.724	0.929	0.783	0.832	0.832	0.886	0.773	0.716	0.805	0.942	0.928
24	0.564	0.641	0.929	0.847	0.824	0.824	0.785	0.745	0.788	0.811	0.983	0.871
25	0.674	0.864	0.876	0.843	0.777	0.777	0.803	0.854	0.845	0.852	0.800	0.805
26	0.732	0.728	0.901	0.923	0.832	0.832	0.886	0.778	0.754	0.867	0.813	0.857
27	0.748	0.879	0.929	0.778	0.737	0.737	0.834	0.883	0.809	0.845	0.814	0.915
28	0.771	0.797	0.921	0.770	0.786	0.786	0.769	0.806	0.875	0.841	0.777	0.829
29	0.693	0.775	0.852	0.766			0.794	0.731	0.792	0.834	0.863	0.669
30	0.769	0.815	0.797	0.776			0.784	0.776	0.748	0.954	0.990	0.864
31	0.575		0.855	0.749				0.871		0.753	0.956	
TOTAL	22.906	21.555	26.177	25.662	22.786	22.786	25.134	24.685	23.003	24.407	26.110	26.346
MAX DAY	0.882	0.879	0.988	0.923	0.897	0.897	1.007	0.883	0.900	0.954	0.990	1.023
AVG DAY	0.739	0.719	0.844	0.828	0.814	0.814	0.841	0.796	0.767	0.787	0.832	0.878
Permitted	1.400											
Capacity %	52.8%	51.3%	60.3%	59.1%	58.1%	58.1%	60.1%	56.9%	54.8%	56.2%	59.4%	62.7%

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