

**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

Five-Year Work Plan FY 2017 - FY 2021

May 12, 2016

**Five-Year Work Plan
FY 2017 - FY 2021**

May 12, 2016

Prepared for:
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EXECUTIVE SUMMARY

The Central Florida Expressway Authority's (CFX) FY 2017-2021 Five-Year Work Plan (Work Plan) was approved at the May 12, 2016 Board meeting and totals over \$1.3 billion.

CFX is authorized to build, operate and maintain a world-class mobility network in Central Florida, incorporating Lake, Orange, Osceola and Seminole counties. The Five-Year Work Plan is used by CFX to effectively manage its program of system improvements, enhancements and rehabilitation. The purpose of the Work Plan is to identify those projects which CFX anticipates funding during the next five years.

During the development process, a Draft Work Plan was prepared, reviewed and discussed among CFX staff. The FY 2017-2021 Work Plan is the first Work Plan developed from the 2040 Master Plan and is in tune with CFX's adopted vision and mission. Renewal & Replacement needs, as well as Intelligent Transportation Systems (ITS) needs were evaluated and included in the Draft Work Plan. A Financial analysis was then performed to determine the feasibility of the Draft Work Plan. The Draft Work Plan was presented to CFX's Board on April 14, 2016, followed by final approval at the May Board meeting.

The five different reports (Category Summary, Category Reports, Fund Summary, 2040 Master Plan Summary and Project Information Reports) developed in the Work Plan process are included. These reports are structured to summarize, communicate and document project information.

The major projects included in the FY 2017-2021 Work Plan are as follows:

Existing System Improvements

- SR 408 Widening from Good Homes Road to East of Hiawassee
- SR 408 Widening from SR 417 to Alafaya Trail
- SR 417 Widening from International Drive to Landstar Boulevard
- SR 417 Widening from Econlockhatchee Trail to the County Line
- SR 429 Widening from Florida's Turnpike to West Road
- SR 528 Widening from Narcoossee Road to SR 417
- SR 528 / SR 436 Bridge Deck Replacement

- SR 528 Econ River Bridge Replacement and Widening
- SR 417 / SR 528 Ramp Improvements
- SR 429 / CR 535 Ramp Improvements
- SR 417 / Curry Ford Road Ramp Improvements
- Multimodal / Intermodal Opportunity Studies

System Expansion Projects

- Wekiva Parkway
- SR 408 Eastern Extension PD&E
- Various Concept, Feasibility & Mobility Studies

Interchange Projects

- SR 408 / SR 417 Interchange (Phases I and II)
- SR 528 / Innovation Way Interchange
- SR 408 / I-4 Interchange
- SR 429 New Interchange Studies

Facilities Projects

- SR 528 Airport Toll Plaza Demolition

Technology Projects

- Toll Collection System Upgrade
- ITS Network Upgrade Phase II
- Wrong Way Driving Countermeasures
- Back Office E-PASS Re-Write

Renewal and Replacement Projects, including the following resurfacings:

- SR 408 from West SR 50 to I-4
- SR 408 from East of I-4 to SR 417
- SR 408 from Alafaya Trail to East SR 50
- SR 414 from SR 429 to US 441
- SR 417 from International Drive to Curry Ford Road
- SR 417 from SR 408 to SR 50
- SR 429 from Seidel Road to CR 535
- SR 528 from SR 436 to SR 520

Non-System Project

- Goldenrod Road Resurfacing from Lee Vista to Narcoossee Road

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Introduction



Central Florida Expressway Authority

FY 17-21 Five-Year Work Plan

1.1 Central Florida Expressway Authority System

On June 20, 2014, Governor Rick Scott signed Senate Bill 230 creating the Central Florida Expressway Authority (CFX). As an agency of the State, CFX is authorized build, operate and maintain a world-class mobility network in Central Florida, incorporating Lake, Orange, Osceola and Seminole counties. As shown in Figure 1, CFX's system is a major transportation network consisting of 109 centerline miles of limited access expressway (767 lane miles), 64 interchanges, 13 mainline toll plazas, 71 ramp toll plazas and 301 bridges along the following roadways:



The Spessard Lindsay Holland East-West Expressway (SR 408) serves east-west commuter traffic across the Orlando urban area and provides access to the Orlando Central Business District. SR 408 currently extends from an interchange with Florida's Turnpike in the west to an interchange with SR 50 east of Alafaya Trail. CFX is responsible for the 22 miles of SR 408 between SR 50 west (at Clarke Road) and SR 50 east. There are four mainline plazas and 22 ramp toll facilities on this portion of the roadway.



The John Land Apopka Expressway (SR 414) was constructed to provide a bypass around the City of Apopka. SR 414 extends Maitland Boulevard to the west from US 441 / Orange Blossom Trail to US 441 near Plymouth Sorrento Road for a total of 9 miles. Out of the total 9 miles, 3 miles are part of the dual route with SR 429 (SR 429/414). There is one mainline plaza and four ramp plazas.



CFX operates and maintains the portion of the Central Florida GreeneWay (SR 417) beginning at the interchange with International Drive near SR 535, running east, south of the Orlando International Airport, and turning north to the Seminole/Orange County line for a total of 33 miles. There are four main and 25 ramp toll facilities on this roadway. The portions of SR 417 north of

the Seminole/Orange County line and south of International Drive are owned and operated by the Florida Department of Transportation (FDOT).



The Daniel Webster Western Beltway (SR 429) was constructed to provide a shorter and more economical route for traffic between west Orange County and the Orlando Central Business District. Overall, SR 429 extends north from I-4 in Osceola County to US 441 in Apopka. CFX's portion includes 23 miles from Seidel Road north to US 441 and includes two mainline and 12 ramp toll facilities. Of the total 23 miles, 3 miles are part of the dual route with SR 414 (SR 429/414). The portion of SR 429 from south of Seidel Road to I-4 is owned and operated by FDOT.



SR 451 was previously the northern portion of SR 429. With the opening of SR 429/414 in January 2013, this 2 mile segment north of SR 414 to US 441 near Vick Road was re-designated as SR 451. There are no mainline or ramp toll plazas associated with this portion of the CFX system.

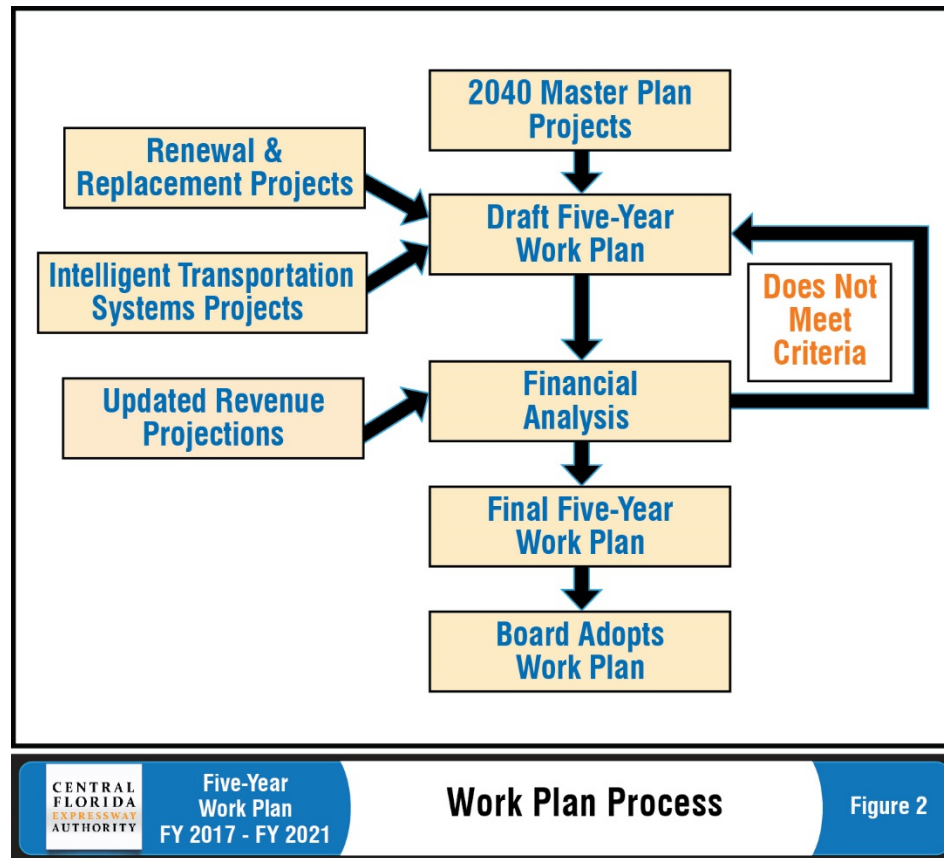


The Martin B. Anderson Beachline Expressway (SR 528) provides a direct connection between South Orlando and Cape Canaveral and serves Orlando International Airport. Although SR 528 extends from I-4 in the west to Cape Canaveral in the east, CFX's portion includes 23 miles from Boggy Creek Road / McCoy Road in the west to SR 520 in the east and includes two main and eight ramp toll facilities. The portions of SR 528 east and west of CFX's jurisdiction are owned and operated by the FDOT.

CFX also operates and maintains a non-system 2 mile tolled expressway, Goldenrod Extension, which has 1 mainline toll plaza.

The Wekiva Parkway (which extends SR 429 and creates SR 453) is currently under construction. Completion of the Wekiva Parkway is funded in the Work Plan and will bring the system to more than 120 centerline miles and 811 lane miles.

are evaluated and included into the Draft Work Plan. Figure 2 shows the Work Plan process.



All of the projects currently under contract, or encumbered, are included in the Draft Work Plan with an estimated cost to complete. The encumbered project costs are totaled separately from the unencumbered project costs. During the draft process, the unencumbered projects are assigned a priority of one through three based on the current stage of project development and other factors specific to each project.

A priority of one is assigned to projects previously authorized by the CFX Board, renewal and replacement projects necessary to maintain the physical integrity of the system,

projects to enhance safety, and future projects necessary to maintain acceptable levels of traffic operation.

A priority of two is assigned to projects that improve an element of the system that safely and properly functions at an acceptable level in its current condition.

A priority of three is reserved for projects with a lower feasibility level and for projects in which CFX's role is not expected to be defined in the near term.

A financial analysis, which includes input from CFX staff, financial advisors, General Engineering Consultant, and Traffic and Earnings Consultant is then performed to determine the feasibility of the Draft Work Plan. The analysis takes into account the budget requirements, existing construction funds, interest rates, bond issuance, existing debt service, capital costs and construction scenarios, and projected toll revenues. The analysis results provide the debt service coverage projection, cash flow reports and sources and uses of funds.

The Draft Work Plan is adjusted to include projects based on the input received and the decisions made by CFX staff. The Draft Work Plan is reviewed by staff and presented to the CFX Board for their comments and approval. Once approved, the Draft Work Plan becomes CFX's Five-Year Work Plan.

1.4 METROPLAN ORLANDO Coordination

Once approved by the CFX Board, the Five-Year Work Plan is submitted to METROPLAN ORLANDO for their use in development of the region's Transportation Improvement Plan (TIP).

1.5 Work Plan Reports

As part of the Work Plan control system, five different report types are prepared: Category Summary, Category Reports, Fund Summary, 2040 Master Plan Summary and Project Information. These reports are structured to summarize, communicate and document project information that can be used at all levels of management. Each of these reports is described in detail in the following pages. A list defining the most common terms and

abbreviations used throughout the Work Plan is also included.

1.5.1 Definitions of Terms & Abbreviations

- CF - Construction Fund BAN
- E - Encumbered Project Costs for projects currently under contract
- EAL - Engineering, Administration and Legal
- FY - Fiscal Year (CFX's fiscal year runs from July 1 to June 30)
- NSP - Non-System Projects
- PD&E - Project Development and Environment Study
- RR - Renewal and Replacement Fund
- SP - System Projects Fund
- SR - State Road
- U - Unencumbered Project Costs

1.5.2 Category Summary

The projects contained in the Work Plan have been grouped into one of the following nine categories:

- Existing System Improvements
- System Expansion Projects
- Interchange Projects
- Facilities Projects
- Technology Projects
- Signing and Pavement Markings
- Renewal and Replacement Projects
- Landscape Projects
- Non-System Projects

The Category Summary report is one of two reports contained in the Work Plan that provide a cumulative total of all projects included in the Work Plan. The other is the Fund Summary report.

The information found in the Category Summary report is a total of the projected cash

expenditures, expressed in thousands, for each individual category for each of the five fiscal years encompassed by the Work Plan. The encumbered and unencumbered project costs are shown in the first two years for each category. These figures are then totaled for each category and each fiscal year.

The source for this report is the individual category reports described in Section 1.5.3.

1.5.3 Category Reports

A Category Report is provided for each of the nine categories listed under Section 1.5.2.

The Category Reports contain a listing of the individual projects grouped into each specific category. Provided with this listing is general project information and the project's projected cash expenditures by fiscal year and five year total cost.

The source for information contained in the Category Reports is the individual Project Information reports. The totals at the bottom of the Category Reports provide the source for the Category Summary report. This report can be updated on a regular basis. The format of the Category Report is as follows:

Page - Page number of the Project Information report containing detailed information on the individual project.

Project Number - Refers to CFX's identification number given to each project. Only projects at a more advanced stage of development have been assigned a CFX project number.

Project Name - Identifies the project.

Project Description:

From/To - Beginning and ending locations of the project.

Length (Miles) - Project length.

Work Description - Brief description of project.

Project Cost (thousands \$): Escalated project costs.

Fiscal Years - The project costs are by CFX's Fiscal Year: July 1 to June 30. The

encumbered and unencumbered costs are shown. The encumbered costs are the projected costs to complete for projects currently authorized.

Fund Source - The fund used by CFX. The funds consist of System Projects Fund (SP), Construction Fund BAN (CF), Renewal and Replacement (RR) and Non-System Projects (NSP). The Fund Source is further discussed in Section 1.5.4.

Project Phases Funded - The phase(s) of the project funded by the Work Plan. Project phases could consist of the following or a combination thereof:

- Bidding
- Concept
- Concept Study
- Concept, Feasibility & Mobility Study
- Construction
- Contribution
- Corridor Consultant
- Design
- Design-Build
- Implementation
- Installation
- Line & Grade
- Maintenance
- Master Plan Study
- Multimodal / Intermodal Study
- Partnership Contribution
- PD&E
- Right of way (ROW)
- Testing
- Utility Adjustments

1.5.4 Fund Summary

The Fund Summary report provides a detail of the projected source of funding and expenditures scheduled from each fund at a fiscal year level. The source of this

information is the Project Information reports.

The Fund Summary report is intended to be used with CFX's financial models as a tool to aid in the projection of fund balances. Through the use of this tool, CFX will be able to make informed financial decisions based on the contents of the Work Plan.

The following Fund Sources are used:

- SP – System Projects Fund
- CF – Construction Fund BAN. The source of this fund is the Bond Anticipation Notes (BAN) and is associated with the construction of Wekiva Parkway Sections 1A and 1B, and the partial construction of Section 2B.
- NSP – Non-System Projects
- RR – Renewal and Replacement. The projects included in this fund are the projects needed to maintain the serviceability of the system. These projects provide rehabilitation and are not considered to be maintenance projects.

1.5.5 2040 Master Plan Summary

The 2040 Master Plan Summary Report is provided as a comparison summary of the projects included in the Five-Year Work Plan with those recommended in the Visioning + 2040 Master Plan as approved by CFX Board members at the May 12, 2016 Board meeting.

The 2040 Master Plan recommends pursuing capacity and operational improvement projects for the existing system beyond those identified in the Work Plan. It identifies widenings along SR 417, SR 429 and SR 528, as well as interchange improvements at three existing interchanges. In addition, it outlines 12 possible new expressway expansion project opportunities. This report provides the status of the Master Plan projects. The format of the 2040 Master Plan Summary report is as follows:

Project Category - The categories of projects contained in the 2040 Master Plan are as follows:

- Existing System (Capacity) Improvements
- System Expansion Projects

- Interchange Projects
- Renewal and Replacement Projects

Recommended 2040 Projects - Names of recommended projects in the 2040 Master Plan.

Project Phases Funded - Describes the portion of the projects that are contained in the Work Plan. These include:

- Concept, Feasibility & Mobility Study
- Construction
- Design
- Line & Grade
- PD&E

2016 Inflated Costs - These numbers represent the amount of dollars, in thousands of dollars, contained in the Work Plan. The numbers have been escalated to coincide with the year in which the expenditures for the project are projected to occur.

Comments - Pertinent comments related to the FY 2017-2021 Work Plan.

1.5.6 Project Information

The Project Information report is provided for each project contained in the Work Plan. This report provides detailed scheduling, cost and cash flow information and can be updated on a regular basis. The format of the report is as follows:

Current Status - The current phase of the project which could be any of the following:

- Bidding
- Construction
- Design
- Design-Build
- Implementation
- Installation
- Maintenance

- No Activity
- On-going
- PD&E
- Right of Way Acquisition
- Selection
- Study

Priority - Project priority designation, one through three.

Date Originated - Date project originally entered into the Work Plan.

Last Revision - Date of last change to project information.

Fund Source - The fund used by CFX. The funds consist of System Projects Fund (SP), Construction Fund BAN (CF), Renewal and Replacement (RR) and Non-System Projects (NSP). The Fund Source was previously discussed in Section 1.5.4.

Length - Length of project in miles.

From - Beginning location of project.

To - Ending location of project.

Project Name/Number - Short title of project with project number, if identified.

Route Number - State road project located on - SR 408, SR 414, SR 417, SR 429, SR 451, SR 528, or systemwide if located throughout CFX's system.

Project Category - One of the nine project categories previously listed in Section 1.5.2.

Work Description - Brief description of the project.

Project Schedule Activity - The phase of the project. (PD&E, design, right of way, permitting, bidding, construction, etc.)

Project Cost (in thousands \$):

Activity - The phase of the project - EAL, mitigation, right-of-way, construction, installation, etc. The fees for design, bidding and construction engineering and inspection (CE&I) and post-design services have been included under the EAL activity.

Totals \$ - The total costs for each activity. These costs are in current dollars.

Encumbered - The total of the projected costs to complete projects previously authorized for the first two fiscal years.

Fiscal Years - The schedule is divided in quarters of CFX's fiscal years for the five years of the Work Plan.

Cash Flow Inflated (in thousands \$):

Inflation Rate - Assumed inflation rate of 2.6% for escalation of project costs such as EAL. Inflation rate of 2.5% was assumed for construction for FY 2017, 2.7% for FY 2018, 2.8% for FY 2019, 2.6% for FY 2020 and 2.5% for FY 2021. This follows FDOT's published inflation factors.

Includes same items as the "Project Cost" section, but reflect inflation.

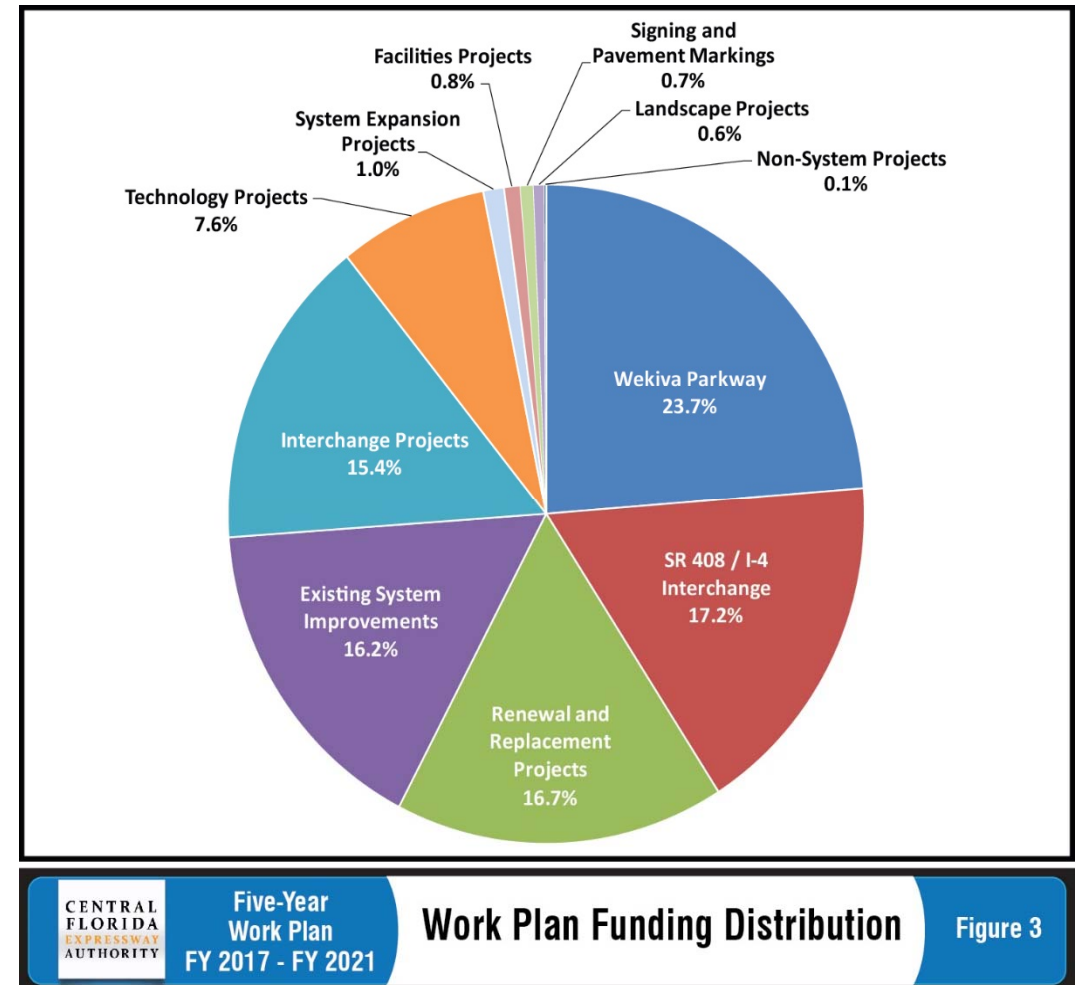
Remarks - Any special information associated with the project.

1.6 FY 17-21 Work Plan Totals

As summarized in Section 2, the Work Plan totals almost \$1.4 billion. Figure 3 reflects the Work Plan funding distribution by category.

1.7 Major Projects in FY 17-21 Work Plan

The Project Information reports in Section 5 include details for each of the projects included in the FY 17-21 Work Plan. The following is a summary of the projects, by category. Figure 5 at the end of this section shows a graphic summary of the major projects included in the Work Plan.



1.7.1 Existing System Improvements

This category includes capacity improvement projects and operational/safety improvements. Construction of the SR 408 Widening from Good Homes Road to East of Hiawasse Road and the design and construction of SR 408 Widening from SR 417 to Alafaya Trail are included in the Work Plan. Future widenings also included in the Work

Plan are:

- SR 417 from International Drive to Landstar Boulevard
- SR 417 from Econlockhatchee Trail to the Orange / Seminole County Line
- SR 429 from Florida's Turnpike to West Road
- SR 528 from Narcoossee Road to SR 417

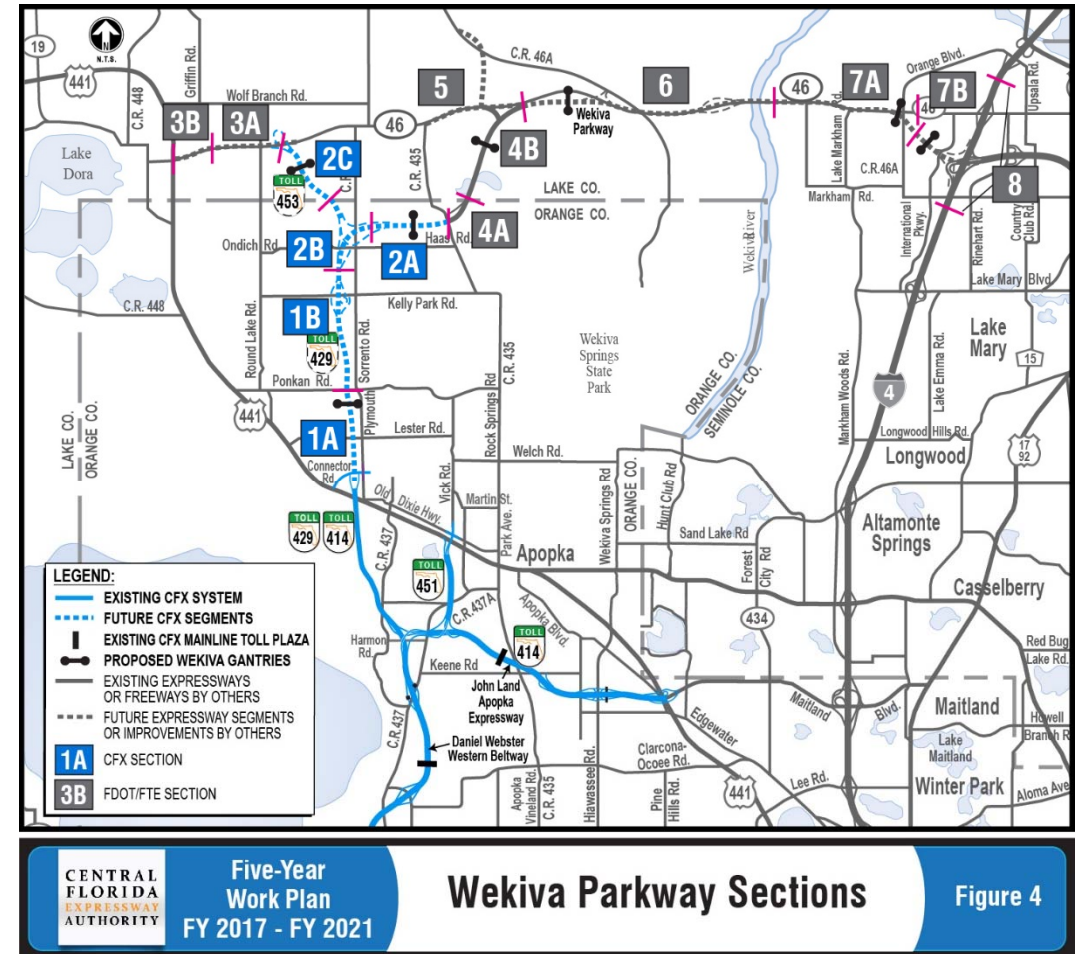
Funding for construction of ramp improvements at the SR 528 / SR 417 Interchange, the SR 429 / CR 535 Interchange, and the SR 417 / Curry Ford Road Interchange is also included in FY's 17 and 18. Bridge replacements and repairs along SR 528 are also included starting in FY 17, along with some systemwide miscellaneous safety and operational improvements, guardrail upgrades, drainage improvement and roadway lighting improvements scheduled throughout the five years.

Multimodal / Intermodal Opportunity Studies are also included in the Work Plan. The first study is currently underway and future ones will be based on those findings and recommendations.

1.7.2 System Expansion Projects

System expansion projects include new alignments. The prominent project for the FY 17-21 Work Plan is the Wekiva Parkway. The Work Plan includes funding for construction and right of way acquisition for all sections of the Wekiva Parkway. Sections 1A, 1B, 2B and 2C are currently under construction. Section 2A is anticipated to begin construction in summer 2016. Figure 4 shows a map of the Wekiva Parkway sections.

The Work Plan includes the completion of the PD&E for the SR 408 Eastern Extension from Challenger Parkway to SR 520 as well as the 15% Line and Grade. Funding for the SR 528 / Northeast District Connector Concept, Feasibility and Mobility Study in Osceola County is included. Additional Concept, Feasibility and Mobility Studies for future expansion projects in Osceola, Lake, Orange and Seminole Counties are also included in this category.





Wekiva Parkway Construction from Ponkan Road to Kelly Park Road

1.7.3 Interchange Projects

This category includes both interchange improvements as well as new interchanges. Funding of the following interchanges is included in the Work Plan:

- SR 408/SR 417 Interchange (Phases I and II)
- SR 528/Innovation Way Interchange
- SR 408/I-4 Interchange

The SR 408 / SR 417 Interchange Phase I is currently under construction with Phase II scheduled to begin design in FY 17. Bids have been received for the SR 528 / Innovation Way Interchange project. The SR 408 / I-4 Interchange is part of the I-4 Ultimate Project currently under construction by FDOT, and CFX's contributions are scheduled for FY's 18, 19 and 20.

The SR 417 / Narcoossee Road Ultimate Interchange and the SR 429 New Interchange concept studies are also included.

1.7.4 Facilities Projects

Facilities projects include mainline plaza modifications, new ramp plazas, and systemwide toll plaza projects. Construction of the SR 528 Airport Mainline toll plaza demolition and addition of ramp toll plazas is almost complete. Funding has been allocated for generator, air conditioner, roof and UPS replacements and upgrades, as well as improvements at the CFX Headquarters.

1.7.5 Technology Projects

The Technology Projects category includes projects related to field devices, system automation software, traffic monitoring systems and electronic toll operating systems. The Toll Collection System Upgrade project is currently underway with funding allocated throughout the five years. Funding for the design and construction of the Wrong-Way Driving Countermeasures, ITS Network Upgrade Phase II, Supplemental Data Collection Sensor (DCS) and Closed Circuit Television (CCTV) Deployment, and the Wekiva Parkway CCTV Deployment is included in the Work Plan. Implementation of the Advanced Expressway Operations Performance Measures is also included.

1.7.6 Signing and Pavement Markings

The Work Plan includes funding for the design and construction of Systemwide Miscellaneous Signing and Marking projects, E-PASS sign replacement, and CFX logo replacements. Funding has also been allocated for various guide sign replacement projects throughout the CFX system.

1.7.7 Renewal and Replacement Projects

The majority of funds for the renewal and replacement category are dedicated to milling and resurfacing projects. The scheduled projects follow the CFX's recommendations included in the pavement management plan.

Funding for design and construction of the following resurfacing projects is included in the Work Plan:

- SR 408 from West SR 50 to I-4
- SR 408 from East of I-4 to SR 417
- SR 408 from Alafaya Trail to East SR 50
- SR 414 from SR 429 to US 441
- SR 417 from International Drive to Curry Ford Road
- SR 417 from SR 408 to SR 50
- SR 429 from Seidel Road to CR 535
- SR 528 from SR 436 to SR 520

This category also includes drainage improvements, coatings, bridge and fence projects, as well as Retro-Reflective Pavement Markers (RPM) replacement. Signing upgrades and improvements, single line Dynamic Message Sign (DMS) and traffic management CCTV upgrades are also funded.

1.7.8 Landscape Projects

This category includes funds for systemwide discretionary landscape projects.

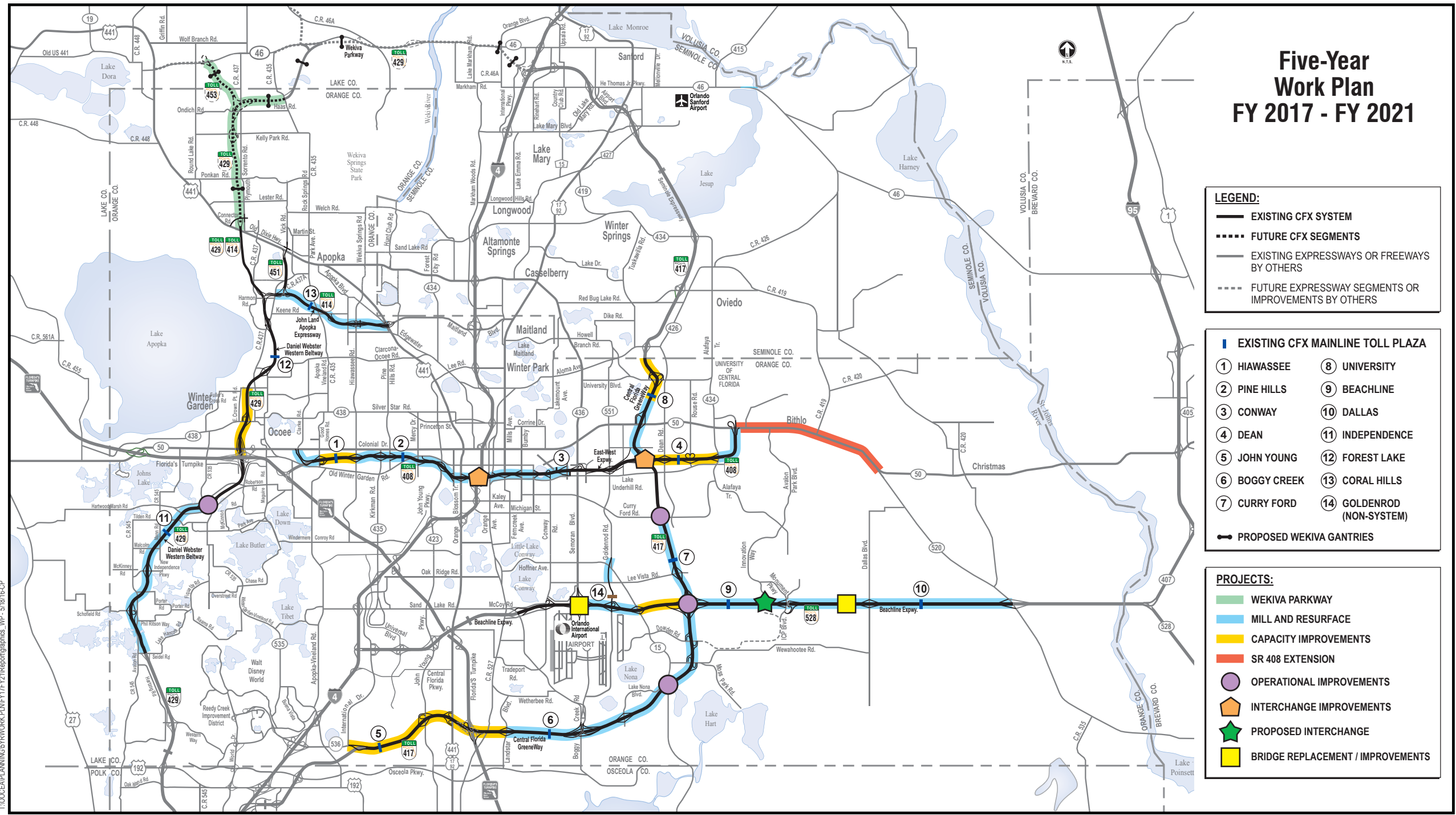
1.7.9 Non-System Projects

This category is for the Goldenrod Road extension. This non-system road is operated and maintained by CFX. The design of the milling and resurfacing of Goldenrod Road from Lee Vista to Narcoossee Road has been completed, and the Work Plan includes funds for construction.



SR 528 Airport Mainline Toll Plaza Demolition

Five-Year Work Plan FY 2017 - FY 2021



LEGEND:

- EXISTING CFX SYSTEM
- - - - FUTURE CFX SEGMENTS
- EXISTING EXPRESSWAYS OR FREEWAYS BY OTHERS
- - - - FUTURE EXPRESSWAY SEGMENTS OR IMPROVEMENTS BY OTHERS

EXISTING CFX MAINLINE TOLL PLAZA

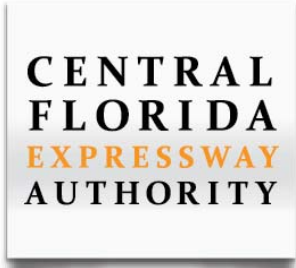
① HIAWASSEE	⑧ UNIVERSITY
② PINE HILLS	⑨ BEACHLINE
③ CONWAY	⑩ DALLAS
④ DEAN	⑪ INDEPENDENCE
⑤ JOHN YOUNG	⑫ FOREST LAKE
⑥ BOGGY CREEK	⑬ CORAL HILLS
⑦ CURRY FORD	⑭ GOLDENROD (NON-SYSTEM)

— PROPOSED WEKIVA GANTRIES

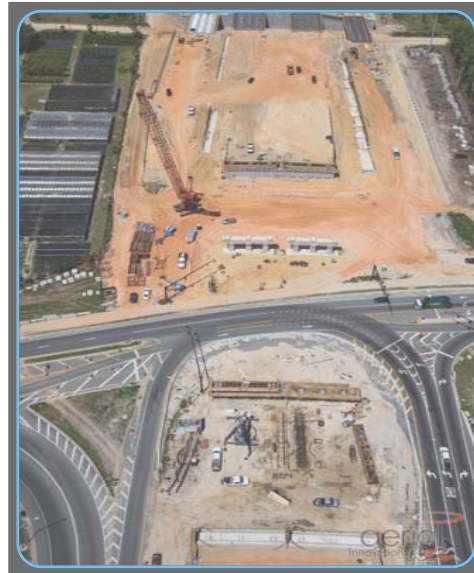
PROJECTS:

- WEKIVA PARKWAY
- MILL AND RESURFACE
- CAPACITY IMPROVEMENTS
- SR 408 EXTENSION
- OPERATIONAL IMPROVEMENTS
- INTERCHANGE IMPROVEMENTS
- PROPOSED INTERCHANGE
- BRIDGE REPLACEMENT / IMPROVEMENTS

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Category Summary



Central Florida Expressway Authority
Five-Year Work Plan
Category Summary

Category	Project Cost (thousand \$)							Total
	Fiscal Year							
	16/17		17/18		18/19	19/20	20/21	
	E	U	E	U	U	U	U	
Existing System Improvements	4,010	49,109	0	87,379	40,516	18,240	21,530	220,784
System Expansion Projects	148,576	75,984	44,888	55,192	11,461	1,156	22	337,279
Interchange Projects	72,407	622	31,839	119,969	126,988	89,805	1,861	443,491
Facilities Projects	5,078	1,752	0	1,411	1,136	1,131	965	11,473
Technology Projects	15,236	16,292	23,708	21,479	21,945	3,275	1,322	103,257
Signing and Pavement Markings	0	870	0	2,940	2,362	2,064	768	9,004
Renewal and Replacement Projects	18,641	19,846	0	75,382	38,903	29,125	45,872	227,769
Landscape Projects	0	1,500	0	1,500	1,500	1,500	1,500	7,500
SUB TOTALS	263,948	165,975	100,435	365,252	244,811	146,296	73,840	
TOTALS		429,923		465,687	244,811	146,296	73,840	1,360,557
Non-System Project (Goldenrod Road)	0	0	0	1,064	0	0	0	1,064
GRAND TOTALS		429,923		466,751	244,811	146,296	73,840	1,361,621

* Construction costs escalated at 2.5% for FY 2017, 2.7% for FY 2018, 2.8% for FY 2019, 2.6% for FY 2020 and 2.5% for FY 2021. In general, all other costs escalated at an average of 2.6% per year.

E = Encumbered costs from projects under contracts from previous fiscal years

U = Unencumbered costs

Central Florida Expressway Authority
Five-Year Work Plan

Existing System Improvements Summary (Page 1 of 2)

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *					Fund Source	Project Phases Funded		
			From	To	Length (miles)	Work Description	16/17		17/18		18/19			19/20	20/21
							E	U	E	U	U			U	U
26	408-127	SR 408 Widening from Good Homes to East of Hiawassee	Good Homes Road	East of Hiawassee Road	1.8	Add Lanes, Mill and Resurface	0	12,633	0	8,852	0	0	0	SP	Bidding & Construction
27	408-128	SR 408 Widening from SR 417 to Alafaya Trail	SR 417	Alafaya Trail	4.1	Add Lanes, Mill and Resurface	2,638	9,140	0	36,519	18,707	0	0	SP	Design & Construction
28	-	SR 417 Widening from Econ to County Line	Econlockhatchee Trail	County Line	2.3	Add Lanes, Mill and Resurface	0	2,100	0	11,654	16,867	0	0	SP	Design & Construction
29	-	SR 528 Widening from Narcoossee Road to SR 417	Narcoossee Road	SR 417	1.9	Add Lanes, Mill and Resurface	0	0	0	355	3,276	7,665	0	SP	Design & Construction
30	528-130	SR 528 / SR 436 Bridge Deck Replacement	-	-	-	Bridge Deck Replacement	0	4,285	0	9,044	0	0	0	SP	Design & Construction
31	528-131	SR 528 Econ River Bridge	-	-	-	Bridge Replacement & Widening	200	6,143	0	12,266	0	0	0	SP	Design & Construction
32	-	Systemwide Safety and Operational Improvement Projects	-	-	-	Minor Roadway Projects	0	820	0	300	300	300	300	SP	Design & Construction
33	-	Systemwide Guardrail Upgrade	-	-	-	Guardrail Improvements	0	150	0	150	150	150	150	SP	Design & Construction
34	-	Systemwide Drainage Improvements	-	-	-	Drainage Improvements	0	150	0	150	150	150	150	SP	Design & Construction
35	-	Systemwide Roadway Lighting	-	-	-	Lighting Rehabilitation	0	5,746	0	150	150	150	150	SP	Design & Construction
36	599-126	SR 417 / SR 528 Ramp Improvements	-	-	-	Ramp Improvements	272	5,790	0	2,586	0	0	0	SP	Design, ROW & Construction
37	429-654D	SR 429 / CR 535 Northbound On Ramp Improvements	-	-	-	On Ramp Improvements	0	441	0	4,563	0	0	0	SP	Design & Construction
Encumbered Total							3,110		0						
Unencumbered Total								47,397		86,588	39,600	8,415	750		
SUB-TOTALS (Page 1)							50,507		86,588	39,600	8,415	750			

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E = Encumbered costs from projects under contracts from previous fiscal years
U = Unencumbered costs

Central Florida Expressway Authority
Five-Year Work Plan

Existing System Improvements Summary (Page 2 of 2)

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *					Fund Source	Project Phases Funded				
			From	To	Length (miles)	Work Description	16/17		17/18		18/19			19/20	20/21		
							E	U	E	U	U			U	U		
38	417-133	SR 417 / Curry Ford Road Southbound On Ramp Improvements	-	-	-	On Ramp Improvements	0	1,593	0	0	0	0	0	0	SP	Bidding & Construction	
39	599-132	Backup Data Center	-	-	-	Backup Data Center	850	0	0	0	0	0	0	0	SP	Design-Build	
40	-	2040 CFX Master Plan	-	-	-	Master Plan Study	50	0	0	0	0	0	0	0	SP	Master Plan Study	
41	-	SR 417 Widening from International Drive to John Young Parkway	International Drive	John Young Parkway	3.6	Add Lanes, Mill and Resurface	0	0	0	0	0	1,508	5,928	0	SP	Design & Partial Construction	
42	-	SR 417 Widening from John Young Parkway to Landstar Boulevard	John Young Parkway	Landstar Boulevard	3.8	Add Lanes, Mill and Resurface	0	0	0	0	0	2,385	10,102	0	SP	Design & Partial Construction	
43	-	SR 429 Widening from Plant Street to West Road	Plant Street	West Road	2.7	Add Lanes, Mill and Resurface	0	0	0	0	0	0	1,208	0	SP	Design	
44	-	SR 429 Widening from Florida's Turnpike to Plant Street	Florida's Turnpike / SR 50	Plant Street	1.5	Add Lanes, Mill and Resurface	0	0	0	195	595	4,555	2,278	0	SP	Design & Construction	
45	-	Multimodal/Intermodal Opportunity Study	-	-	-	Multimodal/Intermodal Study	0	100	0	300	300	300	300	0	SP	Multimodal/Intermodal Study	
46	-	SR 417 Widening - Curry Ford to Lake Underhill Landscaping	Curry Ford Road	Lake Underhill Road	1.6	Landscaping	0	18	0	296	21	5	0	0	SP	Design, Installation & Maintenance	
47	-	SR 408 / SR 417 Interchange Landscaping	-	-	-	Interchange Landscaping	0	0	0	0	0	621	557	0	SP	Design, Installation & Partial Maintenance	
48	-	SR 417 / Florida's Turnpike Interchange Landscaping	-	-	-	Interchange Landscaping	0	0	0	0	0	451	407	0	SP	Design, Installation & Partial Maintenance	
Encumbered Total							900		0								
Unencumbered Total								1,711		791	916	9,825	20,780				
SUB-TOTALS (Page 2)							2,611		791		916	9,825	20,780				
TOTALS							53,119		87,379		40,516	18,240	21,530				

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E = Encumbered costs from projects under contracts from previous fiscal years
U = Unencumbered costs

Central Florida Expressway Authority
Five-Year Work Plan
System Expansion Projects Summary

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *					Fund Source	Project Phases Funded			
			From	To	Length (miles)	Work Description	16/17		17/18		18/19			19/20	20/21	
							E	U	E	U	U			U	U	
49	429-200F	SR 429 / SR 414 Interchange Landscape	-	-	-	Landscaping	20	0	5	0	0	0	0	0	SP	Maintenance
50	429-200G	SR 429 / SR 414 Interchange Landscape Phase II	-	-	-	Landscaping	0	947	0	846	21	5	0	0	SP	Design, Installation & Maintenance
51	408-254	SR 408 Eastern Extension	Challenger Parkway	SR 520	7.3	New Expressway	1,100	802	0	2,376	0	0	0	0	SP	PD&E & 15% Line & Grade
52	528-215	SR 528 / Northeast District Connector Study	SR 528	Northeast District	8.0	New Expressway	0	835	0	275	0	0	0	0	SP	Concept, Feasibility & Mobility Study
53	-	Expansion Projects	-	-	-	New Expressway	0	4,008	0	2,123	750	0	0	0	SP	Concept, Feasibility & Mobility Study
54	-	Wekiva Parkway Section 1A Landscaping	US 441 Interchange	North of Ponkan	-	Landscaping	0	42	0	1,352	21	21	0	0	SP	Design, Installation & Maintenance
55	-	Wekiva Parkway Section 1B Landscaping	North of Ponkan Road	North of Kelly Park Road	-	Landscaping	0	0	0	58	1,811	22	22	0	SP	Design, Installation & Maintenance
56	429-202	Wekiva Parkway Section 1A	US-441 Interchange	North of Ponkan Road	2.3	New Expressway	32,810	0	0	0	0	0	0	0	SP / CF	Construction
57	429-203	Wekiva Parkway Section 1B	North of Ponkan Road	North of Kelly Park Road	2.3	New Expressway	25,173	0	0	0	0	0	0	0	SP / CF	Construction
58	429-204	Wekiva Parkway Section 2B	North of Kelly Park Road	East of CR 437 and North to Lake County Line	2.0	New Expressway	54,678	0	26,339	0	0	0	0	0	SP / CF	Construction
59	429-205	Wekiva Parkway Section 2A	East of CR 437	East of Mt. Plymouth Road	2.0	New Expressway	34,795	0	18,544	0	0	0	0	0	SP / CF	Construction
60	429-206	Wekiva Parkway Section 2C	Lake County Line	SR 46 East of Round Lake Road	1.3	New Expressway	0	37,882	0	20,870	0	0	0	0	SP / CF	Construction
61	-	SR 429 - Wekiva Parkway (Right of Way)	US 441	East of Mt Plymouth Road and northwest to SR 46	-	New Expressway	0	31,468	0	27,292	8,858	1,108	0	0	SP / CF	Right of Way
Encumbered Total							148,576		44,888							
Unencumbered Total								75,984		55,192	11,461	1,156	22			
TOTALS							224,560		100,080		11,461	1,156	22			

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U = Unencumbered costs

Central Florida Expressway Authority
Five-Year Work Plan
Interchange Projects Summary

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *						Fund Source	Project Phases Funded		
			From	To	Length (miles)	Work Description	16/17		17/18		18/19	19/20			20/21	
							E	U	E	U	U	U			U	
62	253F	SR 408/SR 417 Interchange (Phase I)	SR 408/SR 417	Lake Underhill Road	-	Add Ramps, Mill and Resurface	30,276	0	0	0	0	0	0	0	SP	Construction
63	253G	SR 408/SR 417 Interchange (Phase II)	SR 408/SR 417	Lake Underhill Road	-	Add Ramps, Mill and Resurface	0	282	0	35,779	35,779	0	0	0	SP	Design, Bidding & Construction
64	429-305	SR 429 / Schofield Road Interchange Landscaping	-	-	-	Landscaping	0	12	0	424	21	16	0	0	SP	Design, Installation & Maintenance
65	417-301C	SR 417 / Boggy Creek Road Interchange (Phase III) Landscaping	-	-	-	Landscaping	0	53	0	857	21	16	0	0	SP	Design, Installation & Maintenance
66	528-313	SR 528 / Innovation Way Interchange	Innovation Way	Aerospace Parkway	-	New Interchange	41,167	0	30,875	1,406	0	0	0	0	SP	Design-Build
67	-	SR 408 at I-4 Ultimate	-	-	-	Interchange Reconstruction	964	0	964	75,000	75,964	80,968	0	0	SP	Contribution & Corridor Consultant
68	-	SR 429 New Interchange Studies	-	-	-	Interchange Studies and Design	0	275	0	6,503	15,203	8,014	0	0	SP	Concept Study, Design & Construction
69	-	SR 417 / Narcoossee Road Ultimate Interchange	-	-	-	Concept Study	0	0	0	0	0	441	1,544	0	SP	Concept Study & Design
70	-	SR 528 / Innovation Way Landscaping	-	-	-	Landscaping	0	0	0	0	0	350	317	0	SP	Design, Installation & Partial Maintenance
Encumbered Total							72,407		31,839							
Unencumbered Total								622		119,969	126,988	89,805	1,861			
TOTALS							73,029		151,808		126,988	89,805	1,861			

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Central Florida Expressway Authority
Five-Year Work Plan
Facilities Projects Summary

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *						Fund Source	Project Phases Funded		
			From	To	Length (miles)	Work Description	16/17		17/18		18/19	19/20			20/21	
							E	U	E	U	U	U			U	
71	528-405	SR 528 Airport Toll Plaza Demolition	Boggy Creek Road	SR 436	2.1	Demolish Existing Mainline Toll Plaza	1,436	0	0	0	0	0	0	0	SP	Construction
72	-	SR 528 Airport Frontage Landscaping	Boggy Creek Road	SR 436	2.1	Landscaping	0	0	0	248	21	16	0	0	SP	Design, Installation & Maintenance
73	-	Systemwide Toll Plaza Projects	-	-	-	Toll Plaza Projects	0	100	0	100	100	100	100	0	SP	Design & Construction
74	-	Systemwide Generator Replacements and Upgrades	-	-	-	Generator Replacements	0	660	0	345	345	345	345	0	SP	Design & Construction
75	-	Systemwide Air Conditioner Replacements and Upgrades	-	-	-	Air Conditioner Replacements	0	212	0	88	150	150	0	0	SP	Design & Construction
76	-	Systemwide Roof Replacements	-	-	-	Roof Replacements	0	240	0	240	240	240	240	0	SP	Design & Construction
77	-	Systemwide UPS Replacements	-	-	-	UPS Replacements	0	110	0	110	0	0	0	0	SP	Installation
78	-	Miscellaneous CFX Headquarters Improvements	-	-	-	Miscellaneous Projects	3,642	0	0	280	280	280	280	0	SP	Design & Installation
79	599-411	CFX Headquarters Parking Lot Lighting and Sealing	-	-	-	Miscellaneous Projects	0	430	0	0	0	0	0	0	SP	Bidding & Installation
Encumbered Total							5,078		0							
Unencumbered Total								1,752		1,411	1,136	1,131	965			
TOTALS							6,830		1,411	1,136	1,131	965				

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Central Florida Expressway Authority
Five-Year Work Plan
Technology Projects Summary

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *					Fund Source	Project Phases Funded		
			From	To	Length (miles)	Work Description	16/17		17/18		18/19			19/20	20/21
							E	U	E	U	U			U	U
80	408-509	Fiber Optic Network (FON) Utility Adjustments	-	-	-	Utility Adjustments	0	100	0	50	50	50	50	SP	Utility Adjustments
81	-	Regional ITS Partnership Projects	-	-	-	Regional ITS Partnership Projects	0	180	0	180	180	0	0	SP	Partnership Contributions
82	-	ITS Network Upgrade Phase II	-	-	-	Re-splice Network Physical Architecture	0	1,047	0	896	0	0	0	SP	Design & Construction
83	-	Wekiva Parkway CCTV Deployment Sections 1A & 1B	-	-	-	CCTV Cameras	0	151	0	776	690	0	0	SP	Design & Construction
84	-	Wekiva Parkway CCTV Deployment Sections 2A, 2B & 2C	-	-	-	CCTV Cameras	0	0	0	324	1,491	493	0	SP	Design & Construction
85	-	Advanced Expressway Operations Performance Measures	-	-	-	Enhancements to ITS Data Analysis Systems	0	662	0	662	0	0	0	SP	Implementation
86	-	Supplemental DCS and CCTV Deployment	-	-	-	Deploy DCS and CCTV Cameras	0	275	0	3,010	2,846	0	0	SP	Design & Construction
87	599-526	Wrong-Way Driving Countermeasures	-	-	-	Wrong-Way Driving Countermeasures at selected ramps	2,444	1,782	0	1,703	0	0	0	SP	Design & Construction
88	-	Connected Vehicle Pilot Concept	-	-	-	Connected Vehicle Pilot Concept	0	250	0	250	0	0	0	SP	Concept
89	-	Headquarters Security Cameras	-	-	-	Security Cameras	0	610	0	0	0	0	0	SP	Design & Construction
90	-	Geolocation of Field Utilities	-	-	-	Geolocation	0	165	0	135	0	0	0	SP	Design & Implementation
91	599-902	Toll Collection System Upgrade	-	-	-	System Upgrade	12,792	0	23,708	0	16,688	2,732	1,272	SP	Implementation & Testing
92	-	Toll Network System Replacements & Upgrades	-	-	-	Replacements & Upgrades	0	394	0	0	0	0	0	SP	Design & Implementation
93	-	Software - Hardware Replacements & Upgrades	-	-	-	Replacements & Upgrades	0	165	0	1,240	0	0	0	SP	Design & Implementation
94	-	eCommerce Mobile Application	-	-	-	Mobile Application	0	793	0	0	0	0	0	SP	Design & Implementation
95	-	Back Office - E-PASS Re-Write	-	-	-	E-PASS Re-Write	0	9,718	0	12,253	0	0	0	SP	Design & Implementation
Encumbered Total							15,236		23,708						
Unencumbered Total								16,292		21,479	21,945	3,275	1,322		
TOTALS							31,528		45,187	21,945	3,275	1,322			

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Central Florida Expressway Authority
Five-Year Work Plan
Signing and Pavement Markings Summary

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *					Fund Source	Project Phases Funded		
			From	To	Length (miles)	Work Description	16/17		17/18		18/19			19/20	20/21
							E	U	E	U	U			U	U
96	-	Systemwide Miscellaneous Signing & Pavement Markings	-	-	-	Signing and Pavement Markings	0	150	0	150	150	150	150	SP	Design & Construction
97	599-624	E-PASS Sign Replacement	-	-	-	Signing	0	588	0	0	0	0	0	SP	Bidding & Construction
98	-	Central Florida Expressway Authority Logo Replacement	-	-	-	Signing	0	0	0	993	869	0	0	SP	Design & Construction
99	-	SR 408 Guide Sign Replacement	-	-	-	Signing	0	132	0	1,734	0	0	0	SP	Design & Construction
100	-	SR 417 Guide Sign Replacement	-	-	-	Signing	0	0	0	63	1,278	602	0	SP	Design & Construction
101	-	SR 414 Guide Sign Replacement	-	-	-	Signing	0	0	0	0	65	1,312	618	SP	Design & Construction
Encumbered Total							0		0						
Unencumbered Total								870		2,940	2,362	2,064	768		
TOTALS							870		2,940		2,362	2,064	768		

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U = Unencumbered costs

Central Florida Expressway Authority
Five-Year Work Plan

Renewal and Replacement Projects Summary (Page 1 of 2)

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *					Fund Source	Project Phases Funded		
			From	To	Length (miles)	Work Description	16/17		17/18		18/19			19/20	20/21
							E	U	E	U	U			U	U
102	417-733	SR 417 Resurfacing	I-Drive	Moss Park	16.8	Mill & Resurface	11,664	0	0	0	0	0	RR	Construction	
103	-	SR 408 Resurfacing	West SR 50	I-4	8.1	Mill & Resurface	0	1,218	0	26,102	0	0	RR	Design & Construction	
104	429-739	SR 429 Resurfacing	Seidel Road	CR 535	8.4	Mill & Resurface	817	4,363	0	13,087	0	0	RR	Design & Construction	
105	528-740	SR 528 Resurfacing	SR 436	Goldenrod Road	1.4	Mill & Resurface	0	2,532	0	2,308	0	0	RR	Design & Construction	
106	528-741	SR 528 Resurfacing	Goldenrod Road	SR 520 (East) / SR 417 Innovation Way (South)	21.7	Mill & Resurface	0	2,179	0	20,058	28,437	0	RR	Design & Construction	
107	-	SR 408 Resurfacing	East of I-4	Lake Underhill Bridge	1.8	Mill & Resurface	0	0	0	0	3,594	6,293	RR	Design & Construction	
108	408-739	SR 408 Resurfacing	Lake Underhill Bridge	Yucatan Drive	1.8	Mill & Resurface	0	3,669	0	7,298	0	0	RR	Design & Construction	
109	-	SR 414 Resurfacing	SR 429	US 441 (East)	6.5	Mill & Resurface	0	0	0	0	713	12,015	11,648	RR	Design & Construction
110	-	SR 417 Resurfacing	Moss Park	Innovation Way	1.0	Mill & resurface	0	0	0	0	176	3,806	0	RR	Design & Construction
111	-	SR 417 Resurfacing	SR 528	Curry Ford Road	4.2	Mill & Resurface	0	0	0	0	0	432	9,643	RR	Design & Partial Construction
112	-	SR 417 Resurfacing	SR 408	SR 50	1.6	Mill & Resurface	0	0	0	0	0	246	5,330	RR	Design & Construction
113	-	SR 408 Resurfacing	Yucatan Drive	SR 417	2.6	Mill & Resurface	0	0	0	0	0	443	9,603	RR	Design & Construction
114	-	SR 408 Resurfacing	Alafaya Trail	SR 50 (East)	1.5	Mill & Resurface	0	0	0	0	0	98	3,194	RR	Design & Construction
115	-	Miscellaneous Resurfacing Projects	-	-	-	Mill & Resurface	0	290	0	290	290	290	290	RR	Design & Construction
116	-	Miscellaneous Drainage and Stormwater Projects	-	-	-	Drainage and Stormwater	0	310	0	310	310	310	310	RR	Design & Construction
Encumbered Total							12,481		0						
Unencumbered Total								14,561		69,453	33,520	23,933	40,018		
SUB-TOTALS (Page 1)							27,042		69,453	33,520	23,933	40,018			

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E = Encumbered costs from projects under contracts from previous fiscal years
U = Unencumbered costs

Central Florida Expressway Authority
Five-Year Work Plan

Renewal and Replacement Projects Summary (Page 2 of 2)

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *					Fund Source	Project Phases Funded		
			From	To	Length (miles)	Work Description	16/17		17/18		18/19			19/20	20/21
							E	U	E	U	U			U	U
117	-	Systemwide Bridge Projects	-	-	-	Misc. Structural Projects	0	434	0	434	434	434	434	RR	Design & Construction
118	-	Systemwide Coatings	-	-	-	Painting & Inspections	0	3,450	0	1,910	1,910	1,910	1,910	RR	Design & Construction
119	-	Systemwide Fence Projects	-	-	-	Fencing Replacement	0	250	0	250	250	250	250	RR	Construction
120	-	Systemwide Bridge Joint & Approach Slab Projects	-	-	-	Concrete Pavement Projects	0	100	0	100	100	100	100	RR	Design & Construction
121	-	Systemwide Reflective Pavement Markers & Thermo Striping	-	-	-	RPM Replacement & Striping	0	130	0	175	195	135	150	RR	Design & Construction
122	-	Systemwide Trailblazer Upgrades	-	-	-	Signing Upgrades	0	620	0	1,160	1,160	1,460	810	RR	Design & Construction
123	-	Systemwide Signing Replacement Projects	-	-	-	Signing Improvements	0	150	0	1,745	1,175	740	2,200	RR	Design & Construction
124	599-525	Single Line DMS Upgrade	-	-	-	Upgrade DMS	6,160	0	0	0	0	0	0	RR	Design & Construction
125	-	Traffic Management CCTV Upgrade	-	-	-	Migration to IP Traffic Management Cameras	0	151	0	155	159	163	0	RR	Implementation
Encumbered Total							6,160		0						
Unencumbered Total								5,285		5,929	5,383	5,192	5,854		
SUB-TOTALS (Page 2)							11,445		5,929	5,383	5,192	5,854			
TOTALS							38,487		75,382	38,903	29,125	45,872			

* Construction costs escalated at 2.5% for FY 2017, 2.7% for FY 2018, 2.8% for FY 2019, 2.6% for FY 2020 and 2.5% for FY 2021. In general, all other costs escalated at an average of 2.6% per year.
E = Encumbered costs from projects under contracts from previous fiscal year
U = Unencumbered costs

Central Florida Expressway Authority
Five-Year Work Plan
Landscape Projects Summary

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *					Fund Source	Project Phases Funded		
			From	To	Length (miles)	Work Description	16/17		17/18		18/19			19/20	20/21
							E	U	E	U	U			U	U
126	-	Systemwide Discretionary Landscape Projects	-	-	-	Landscaping	0	1,500	0	1,500	1,500	1,500	1,500	SP	Design & Construction
Encumbered Total							0		0						
Unencumbered Total								1,500		1,500	1,500	1,500	1,500		
TOTALS								1,500		1,500	1,500	1,500	1,500		

* Construction costs escalated at 2.5% for FY 2017, 2.7% for FY 2018, 2.8% for FY 2019, 2.6% for FY 2020 and 2.5% for FY 2021. In general, all other costs escalated at an average of 2.6% per year.
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U = Unencumbered costs

Central Florida Expressway Authority
Five-Year Work Plan
Non-System Projects Summary

Page	Project Number	Project Name	Project Description				Project Cost (thousands \$) by Fiscal Year *					Fund Source	Project Phases Funded		
			From	To	Length (miles)	Work Description	16/17		17/18		18/19			19/20	20/21
							E	U	E	U	U			U	U
127	800-903E	Goldenrod Road Resurfacing	Lee Vista	Narcoossee Road	0.9	Mill & Resurface	0	0	0	1,064	0	0	0	NSP	Construction
Encumbered Total							0		0						
Unencumbered Total								0		1,064	0	0	0		
TOTALS							0		1,064	0	0	0			

* Construction costs escalated at 2.5% for FY 2017, 2.7% for FY 2018, 2.8% for FY 2019, 2.6% for FY 2020 and 2.5% for FY 2021. In general, all other costs escalated at an average of 2.6% per year.
E = Encumbered costs from projects under contracts from previous fiscal year
U = Unencumbered costs

Fund Summary



Central Florida Expressway Authority
Five-Year Work Plan
Fund Summary

Fund	Project Cost (thousands \$) *							Comments	
	Fiscal Year								
	16/17		17/18		18/19	19/20	20/21		Total
	E	U	E	U	U	U	U		
System Projects Fund (SP)	147,453	146,129	98,288	289,870	205,908	117,171	27,968	1,032,787	
Construction Fund BAN (CF)	97,853	0	2,147	0	0	0	0	100,000	
Non-System Projects (NSP)	0	0	0	1,064	0	0	0	1,064	
Renewal and Replacement (RR)	18,641	19,846	0	75,382	38,903	29,125	45,872	227,769	
SUB-TOTALS	263,948	165,975	100,435	366,316	244,811	146,296	73,840		
GRAND TOTALS	429,923		466,751		244,811	146,296	73,840	1,361,621	

* Construction costs escalated at 2.5% for FY 2017, 2.7% for FY 2018, 2.8% for FY 2019, 2.6% for FY 2020 and 2.5% for FY 2021. In general, all other costs escalated at an average of 2.6% per year.

E = Encumbered costs from projects under contracts from previous fiscal years

U = Unencumbered costs

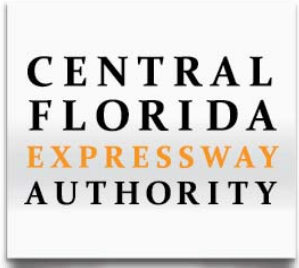
2040 Master Plan Summary



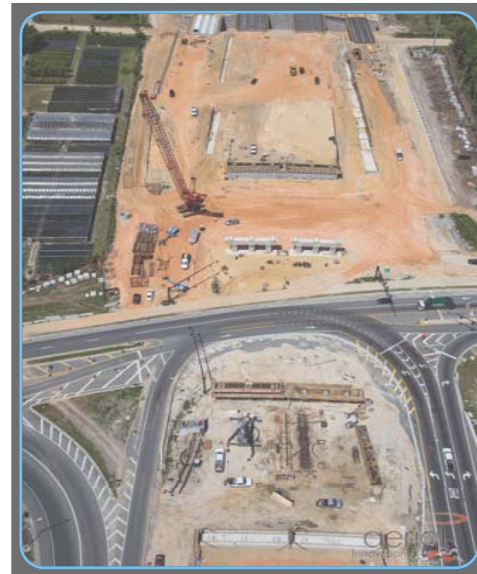
Central Florida Expressway Authority
Five-Year Work Plan
2040 Master Plan Summary

Project Category	Recommended 2040 Projects	Project Phase Included in Five-Year Work Plan		Comments (pertaining to FY 17 - FY 21 Work Plan)
		Project Phases Funded	2016 Inflated Costs (thousand \$) *	
Existing System (Capacity) Improvements				
	SR 417 : International Drive to Boggy Creek Road (Widen to 6 lanes)	Design & Partial Construction	\$19,923	SR 417 Widening from I-Drive to JYP / SR 417 Widening from JYP to Landstar Boulevard
	SR 417 : Boggy Creek Road to SR 528 (Widen to 6 lanes)			
	SR 429 : Seidel Road to CR 535 (Widen to 6 lanes)			
	SR 429 : CR 535 to SR 50 (Widen to 6 lanes)			
	SR 429 : SR 50 to SR 414 (Widen to 6 lanes)	Design & Construction	\$8,831	SR 429 Widening from Florida's Turnpike to Plant Street / SR 429 Widening from Plant Street to West Road
	SR 528 : SR 436 to SR 417 (Widen to 8 lanes)	Design & Construction	\$11,296	SR 528 Widening from Narcoossee Road to SR 417
	SR 528 : SR 417 to Innovation Way (Widen to 6 lanes)			
	SR 528 : Innovation Way to SR 520 (Widen to 6 lanes)			
System Expansion Projects				
	SR 408 Eastern Extension from SR 50 east to SR 520 (East Orange County)	PD&E and 15% Line & Grade	\$4,278	PD&E underway
	Lake / Orange Connector (Wellness Way) from US 27 to SR 429 (SE Lake / SW Orange Counties)	Concept, Feasibility & Mobility Study	\$6,880	
	SR 414 Direct Connect from US 441 to SR 434 (Orange County)			
	Osceola Parkway Extension from Boggy Creek Road to NE District (Orange / Osceola Counties)			In OCX Master Plan.
	Northeast Connector Expressway from Florida's Turnpike to Osceola Parkway Ext (Osceola County)			In OCX Master Plan
	Southport Connector Expressway from Poinciana Parkway to Florida's Turnpike (Osceola County)			In OCX Master Plan.
	Poinciana Parkway from Marigold Avenue to CR 54 / US 17-92 (Osceola County)			In OCX Master Plan.
	Poinciana / I-4 Connector from Poinciana Parkway to I-4 (Osceola County)			PD&E underway
	Task Force Corridor D from Northeast District to SR 520 (Osceola / Orange Counties)			Preliminary study being advanced by FDOT
	Task Force Corridor F from Northeast Connector to I-95 (Osceola / Brevard Counties)			Preliminary study being advanced by FDOT
	Task Force Corridor H from Northeast District to SR 528 (Orange / Osceola Counties)	Concept, Feasibility & Mobility Study	\$1,110	Preliminary study being advanced by FDOT
	Task Force Corridor I from US 192 to SR 528 (Orange / Osceola Counties)			Preliminary study being advanced by FDOT
Interchange Projects				
	SR 429 / CR 535 Interchange Improvements	Design & Construction	\$5,004	Minor southbound off ramp improvements completed. Minor northbound on ramp improvements included in Work Plan.
	SR 417 / Narcoossee Road Interchange Improvements	Construction	\$820	Minor southbound off ramp improvements included in Work Pan
	SR 528 / Dallas Boulevard Interchange Improvements			
Renewal and Replacement Projects				
	Systemwide : SR 408, SR 414, SR 417, SR 429, SR 451, SR 528	Design & Construction	\$227,769	Inflated project costs represent entire R&R program (as shown in the FY 17 - FY 21 Five Year Work Plan)
No Facilities, Technology, Signing and Pavement Markings, Landscape or Non-System Projects were Identified in the Master Plan.				
TOTALS			\$285,911	

* Construction costs escalated at 2.5% for FY 2017, 2.7% for FY 2018, 2.8% for FY 2019, 2.6% for FY 2020 and 2.5% for FY 2021. In general, all other costs escalated at an average of 2.6% per year.



Project Information



Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Bidding Priority : 1
 Date Originated : 1/31/07
 Last Revision : 5/2/16
 Fund Source : SP
 Length (miles) : 1.8
 From: Good Homes Road To: East of Hiawassee Road

Project Name/Number : SR 408 Widening from Good Homes to East of Hiawassee # 408-127
 Route Number : SR 408
 Project Category : Existing System Improvements
 Work Description : Add Lanes, Mill and Resurface
Bidding & Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Bidding																		
Construction																		
Toll Equipment																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	2,236		10	445	445	445	445																								
Construction	18,550			3,710	3,710	3,710	3,710																								
Toll Equipment	420																														
TOTAL	21,206																														
		FY 16/17 Total =			12,476			FY 17/18 Total =			8,730			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =			-			Encumbered =																							

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	2,265		10	451	451	451	451																								
Construction	18,783			3,757	3,757	3,757	3,757																								
Toll Equipment	437																														
TOTAL	21,484																														
		FY 16/17 Total =			12,633			FY 17/18 Total =			8,852			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Remarks: EAL includes bidding construction engineering & inspection and post-design services.

Estimated total construction cost of \$18.5 million (2016 \$). \$1.6 million design contract completed before July 1, 2016.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Design Priority : 1
 Date Originated : 1/31/07
 Last Revision : 5/3/16
 Fund Source : SP
 Length (miles) : 4.1
 From: SR 417 To: Alafaya Trail

Project Name/Number : SR 408 Widening from SR 417 to Alafaya Trail # 408-128
 Route Number : SR 408
 Project Category : Existing System Improvements
 Work Description : Add Lanes, Mill and Resurface
Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								
Toll Equipment																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	9,326			1,319	1,319	10	954	954	954	954	954	954	954																												
Construction	55,650						7,950	7,950	7,950	7,950	7,950	7,950	7,950																												
Toll Equipment	420																																								
TOTAL	65,396																																								
		FY 16/17 Total =				11,552				FY 17/18 Total =				35,616				FY 18/19 Total =				18,228				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				2,638				Encumbered =																															

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	9,502			1,319	1,319	10	979	979	979	979	979	979	979	-	-	-	-	-	-	-	-	-	-	-	-																
Construction	57,054			-	-	-	8,151	8,151	8,151	8,151	8,151	8,151	8,151	-	-	-	-	-	-	-	-	-	-	-	-																
Toll Equipment	448			-	-	-	-	-	-	-	-	-	448	-	-	-	-	-	-	-	-	-	-	-	-																
TOTAL	67,004																																								
		FY 16/17 Total =				11,778				FY 17/18 Total =				36,519				FY 18/19 Total =				18,707				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				2,638				Encumbered =																															

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
Estimated total construction cost of \$55.6 million (2016 \$).
Includes re-configuration of SR 408/Rouse Road interchange and bridge replacement over Alafaya Trail.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 8/15/13
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : 1.9
 From: Narcoossee Road To: SR 417

Project Name/Number : SR 528 Widening from Narcoossee Road to SR 417 # -
 Route Number : SR 528
 Project Category : Existing System Improvements
 Work Description : Add Lanes, Mill and Resurface
Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	2,033									337	337	337	10	253	253	253	253								
Construction	8,428													2,107	2,107	2,107	2,107								
TOTAL	10,461																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				337				3,044				7,080				-							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	2,169													11	273	273	273	273	-	-	-	-	-	-	-
Construction	9,128														2,282	2,282	2,282	2,282	-	-	-	-	-	-	-
TOTAL	11,296																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				355				3,276				7,665				-							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.

Estimated total cost of future construction is \$8.4 million (2016 \$). Includes friction course repair only of existing lanes through widening limits.

Year need 2020

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Design Priority : 1
 Date Originated : 6/27/13
 Last Revision : 5/2/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : SR 528 / SR 436 Bridge Deck Replacement # 528-130
 Route Number : SR 528
 Project Category : Existing System Improvements
 Work Description : Bridge Deck Replacement
Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	2,530			630	630	10	315	315	315	315																															
Construction	10,500						2,625	2,625	2,625	2,625																															
TOTAL	13,030																																								
		FY 16/17 Total =				4,210				FY 17/18 Total =				8,820				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	2,563			630	630	10	323	323	323	323	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
Construction	10,765			-	-	-	2,691	2,691	2,691	2,691	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
TOTAL	13,328																																								
		FY 16/17 Total =				4,285				FY 17/18 Total =				9,044				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.
 Includes bridge replacements and widenings for three bridges at the SR 528 / SR 436 Interchange (Alternate 4 Concept)
 Design contract \$1.26 m. Estimated construction \$10.5 m (2016 \$).

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Design Priority : 1
 Date Originated : 6/27/13
 Last Revision : 5/3/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : SR 528 Econ River Bridge # 528-131
 Route Number : SR 528
 Project Category : Existing System Improvements
 Work Description : Bridge Replacement & Widening
Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	2,145			200	10	322	322	322	322	322	322																														
Construction	16,122					2,687	2,687	2,687	2,687	2,687	2,687																														
TOTAL	18,267																																								
		FY 16/17 Total =				6,229				FY 17/18 Total =				12,038				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				200				Encumbered =																															

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	2,183			200	10	329	329	329	329	329	329	-	-	-	-	-	-	-	-	-	-	-	-																		
Construction	16,426					2,738	2,738	2,738	2,738	2,738	2,738	-	-	-	-	-	-	-	-	-	-	-	-																		
TOTAL	18,609																																								
		FY 16/17 Total =				6,343				FY 17/18 Total =				12,266				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				200				Encumbered =																															

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.

Estimated construction cost of \$16.1 m (2016 \$) includes bridge replacement and widening.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 3/1/95
 Last Revision : 5/3/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Safety and Operational Improvement Projects # -
 Route Number : Systemwide
 Project Category : Existing System Improvements
 Work Description : Minor Roadway Projects
Design & Construction
(Projects to be determined)

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding & Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	230			10	20	20	20		20	10	10		20	10	10		20	10	10		20	10	10		
Construction	1,790				250	250	250			130	130			130	130			130	130			130	130		
TOTAL	2,020	FY 16/17 Total = 820				FY 17/18 Total = 300				FY 18/19 Total = 300				FY 19/20 Total = 300				FY 20/21 Total = 300							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	230			10	20	20	20	-	20	10	10	-	20	10	10	-	20	10	10	-	20	10	10		
Construction	1,790			-	250	250	250	-	-	130	130	-	-	130	130	-	-	130	130	-	-	130	130		
TOTAL	2,020	FY 16/17 Total = 820				FY 17/18 Total = 300				FY 18/19 Total = 300				FY 19/20 Total = 300				FY 20/21 Total = 300							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.

No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Includes misc. turnlane and intersection improvements. Includes Project 417-735, SR 417 / Narcoossee SB Off Ramp Improvements in FY 17.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 4/1/97
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Guardrail Upgrade # -
 Route Number : Systemwide
 Project Category : Existing System Improvements
 Work Description : Guardrail Improvements
 Design & Construction
 (Projects to be determined)

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding/Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	100				10	5	5		10	5	5		10	5	5		10	5	5		10	5	5		10
Construction	650					65	65			65	65			65	65			65	65			65	65		
TOTAL	750																								
		FY 16/17 Total = 150				FY 17/18 Total = 150				FY 18/19 Total = 150				FY 19/20 Total = 150				FY 20/21 Total = 150							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	100			-	10	5	5	-	10	5	5	-	10	5	5	-	10	5	5	-	10	5	5	-	10
Construction	650			-	-	65	65	-	-	65	65	-	-	65	65	-	-	65	65	-	-	65	65	-	-
TOTAL	750																								
		FY 16/17 Total = 150				FY 17/18 Total = 150				FY 18/19 Total = 150				FY 19/20 Total = 150				FY 20/21 Total = 150							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 3/15/00
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Drainage Improvements # -
 Route Number : Systemwide
 Project Category : Existing System Improvements
 Work Description : Drainage Improvements
Design & Construction
(Projects to be determined)

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	100				10	5	5		10	5	5		10	5	5		10	5	5		10	5	5		10
Construction	650					65	65			65	65			65	65			65	65			65	65		
TOTAL	750																								
		FY 16/17 Total = 150				FY 17/18 Total = 150				FY 18/19 Total = 150				FY 19/20 Total = 150				FY 20/21 Total = 150							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	100				10	5	5		10	5	5		10	5	5		10	5	5		10	5	5		10
Construction	650					65	65			65	65			65	65			65	65			65	65		
TOTAL	750																								
		FY 16/17 Total = 150				FY 17/18 Total = 150				FY 18/19 Total = 150				FY 19/20 Total = 150				FY 20/21 Total = 150							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : Design & ROW Acquisition Priority : 1
 Date Originated : 6/17/14
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -

Project Name/Number : SR 417 / SR 528 Ramp Improvements # 599-126
 Route Number : SR 417 & SR 528
 Project Category : Existing System Improvements
 Work Description : Ramp Improvements
Design, ROW & Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Bidding																		
Construction																		
Right of Way																		
Mitigation																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	1,098			272	10	272	272	272																							
Construction	6,798					2,266	2,266	2,266																							
Right of Way	400			400																											
Mitigation	208			208																											
TOTAL	8,504																														
		FY 16/17 Total =			5,966			FY 17/18 Total =			2,538			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =			272			Encumbered =																							

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	1,114			272	10	277	277	277	-	-	-	-	-	-	-	-	-														
Construction	6,926			-	-	2,309	2,309	2,309	-	-	-	-	-	-	-	-	-														
Right of Way	400			400	-	-	-	-	-	-	-	-	-	-	-	-	-														
Mitigation	208			208	-	-	-	-	-	-	-	-	-	-	-	-	-														
TOTAL	8,648																														
		FY 16/17 Total =			6,062			FY 17/18 Total =			2,586			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =			272			Encumbered =																							

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.
 Estimated \$6.8 million construction (2016 \$).
 Includes improvements to the Southbound SR 417 off ramp to Westbound SR 528.
 R/W offer \$351 thousand & Mitigation Bank cost \$208 thousand.

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : Design _____ Priority : 1 _____
 Date Originated : 5/7/15 _____
 Last Revision : 4/21/16 _____
 Fund Source : SP _____
 Length (miles) : - _____
 From : - _____ To : - _____

Project Name/Number : SR 429 / CR 535 Northbound On Ramp Improvements # 429-654D
 Route Number : SR 429
 Project Category : Existing System Improvements
 Work Description : On Ramp Improvements
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								
Toll Equipment																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	866			143	143	143	10	143	143	143															
Construction	3,567							1,189	1,189	1,189															
Toll Equipment	420									420															
TOTAL	4,853	FY 16/17 Total = 438				FY 17/18 Total = 4,415				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	883			144	144	144	10	147	147	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	3,682			-	-	-	-	1,227	1,227	1,227	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toll Equipment	439			-	-	-	-	-	-	439	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	5,004	FY 16/17 Total = 441				FY 17/18 Total = 4,563				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.
 Includes adding an additional toll lane to NB SR 429 ramp plaza @ CR 535.
 New toll equipment needed for both Epass lanes. (2 Lanes)

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : Bidding Priority : 1
 Date Originated : 5/7/15
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -

Project Name/Number : SR 417 / Curry Ford Road Southbound On Ramp Improvements # 417-133
 Route Number : SR 417
 Project Category : Existing System Improvements
 Work Description : On Ramp Improvements
Bidding & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	178			10	84	84																																			
Construction	1,396				698	698																																			
TOTAL	1,574																																								
		FY 16/17 Total =				1,574				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	180			10	85	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
Construction	1,414			-	707	707	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
TOTAL	1,593																																								
		FY 16/17 Total =				1,593				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Remarks: EAL includes bidding, construction engineering & inspection and post-design services.

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : Construction Priority : 1
 Date Originated : 3/17/15
 Last Revision : 4/28/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -

Project Name/Number : Backup Data Center # 599-132
 Route Number : Systemwide
 Project Category : Renewal & Replacement Projects
 Work Description : Backup Data Center
 Design-Build

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design-Build																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	91			91																																					
Design-Build	759			759																																					
	-																																								
TOTAL	850																																								
		FY 16/17 Total =				850				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				850				Encumbered =																															

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate =	2.6%	Const. Inflation Rates =	FY 2017: 2.5%	FY 2018: 2.7%	FY 2019: 2.8%	FY 2020: 2.6%	FY 2021: 2.5%
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Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	91			91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
Design-Build	759			759	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
TOTAL	850																																								
		FY 16/17 Total =				850				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				850				Encumbered =																															

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.
 Construction of back-up data center at the Hiawassee mainline toll plaza.

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : Study _____ Priority : 1 _____
 Date Originated : 5/11/15 _____
 Last Revision : 3/16/16 _____
 Fund Source : SP _____
 Length (miles) : - _____
 From : - _____ To : - _____

Project Name/Number : 2040 CFX Master Plan # - _____
 Route Number : Systemwide _____
 Project Category : Existing System Improvements _____
 Work Description : Master Plan Study _____
 Master Plan Study _____

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Master Plan Study																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Master Plan Study	50			50																					
TOTAL	50																								
		FY 16/17 Total = 50				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered = 50				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Master Plan Study	50			50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL	50																								
		FY 16/17 Total = 50				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered = 50				Encumbered =																			

Remarks: Final production of the 2040 Master Plan.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 3/1/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : 3.6
 From: International Drive To: John Young Parkway

Project Name/Number : SR 417 Widening from International Drive to John Young Parkway # -
 Route Number : SR 417
 Project Category : Existing System Improvements
 Work Description : Add Lanes, Mill and Resurface
Design & Partial Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	3,161																	684	684	684	684	10	415		
Construction	3,455																						3,455		
TOTAL	6,616																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				1,368				5,248							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	3,499																	754	754	754	754	11	472		
Construction	3,937																						3,937		
TOTAL	7,436																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				1,508				5,928							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.

Construction estimated complete in Summer 2022.

Estimated total construction cost \$20.7 million (2016 \$).

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 3/1/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : 3.8
 From: John Young Parkway To: Landstar Boulevard

Project Name/Number : SR 417 Widening from John Young Parkway to Landstar Boulevard # -
 Route Number : SR 417
 Project Category : Existing System Improvements
 Work Description : Add Lanes, Mill and Resurface
Design & Partial Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Design	3,794																								
Construction	7,330																								
TOTAL	11,124																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				2,178				8,946							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Design	4,186																								
Construction	8,301																								
TOTAL	12,487																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				2,385				10,102							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.

Construction estimated complete in Spring 2022.

Estimated total construction cost \$22.0 million (2016 \$).

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 3/1/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : 2.7
 From: Plant Street To: West Road

Project Name/Number : SR 429 Widening from Plant Street to West Road # -
 Route Number : SR 429
 Project Category : Existing System Improvements
 Work Description : Add Lanes, Mill and Resurface
Design

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	1,068																								
TOTAL	1,068																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				-				1,068							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	1,208																								
TOTAL	1,208																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				-				1,208							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design.

Year need 2023.

Estimated total construction cost \$16.2 million (2016 \$).

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 3/1/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : 1.5
 From: Florida's Turnpike / SR 50 To: Plant Street

Project Name/Number : SR 429 Widening from Florida's Turnpike to Plant Street # -
 Route Number : SR 429
 Project Category : Existing System Improvements
 Work Description : Add Lanes, Mill and Resurface
Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	1,422									185	185	185	185	10	112	112	112	112	112	112	112				
Construction	5,598														933	933	933	933	933	933	933				
TOTAL	7,020																								
		FY 16/17 Total = -				FY 17/18 Total = 185				FY 18/19 Total = 565				FY 19/20 Total = 4,180				FY 20/21 Total = 2,090							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	1,521			-	-	-	-	-	-	-	-	-	-	195	122	122	122	122	122	122	122	-	-		
Construction	6,102			-	-	-	-	-	-	-	-	-	-	-	1,017	1,017	1,017	1,017	1,017	1,017	1,017	-	-		
TOTAL	7,623																								
		FY 16/17 Total = -				FY 17/18 Total = 195				FY 18/19 Total = 595				FY 19/20 Total = 4,555				FY 20/21 Total = 2,278							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Study Priority : 1
 Date Originated : 3/1/16
 Last Revision : 5/2/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Multimodal/Intermodal Opportunity Study # -
 Route Number : Systemwide
 Project Category : Existing System Improvements
 Work Description : Multimodal/Intermodal Study
 Multimodal/Intermodal Study

Project Schedule :

Activity	2016		2017		2018		2019		2020		2021	
Study												

Project Cost (in thousands \$) :

Activity	Totals \$	2016		2017		2018		2019		2020		2021	
Study	1,300	50	50	150	150	150	150	150	150	150	150		
TOTAL	1,300	FY 16/17 Total = 100		FY 17/18 Total = 300		FY 18/19 Total = 300		FY 19/20 Total = 300		FY 20/21 Total = 300			
		Encumbered =		Encumbered =									

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5%

FY 2018 2.7%

FY 2019 2.8%

FY 2020 2.6%

FY 2021 2.5%

Activity	Totals \$	2016		2017		2018		2019		2020		2021	
Study	1,300	50	50	-	-	150	150	-	-	150	150	-	-
TOTAL	1,300	FY 16/17 Total = 100		FY 17/18 Total = 300		FY 18/19 Total = 300		FY 19/20 Total = 300		FY 20/21 Total = 300			
		Encumbered =		Encumbered =									

Remarks: Study by CUTR in FY 17.

Future studies based on findings and recommendations from CUTR study.

No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 3/1/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : 1.6
 From: Curry Ford Road To: Lake Underhill Road

Project Name/Number : SR 417 Widening - Curry Ford to Lake Underhill Landscaping # -
 Route Number : SR 417
 Project Category : Existing System Improvements
 Work Description : Landscaping
Design, Installation & Maintenance

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Installation																								
Maintenance																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	48					9	9	10	10	10																															
Construction	250								125	125																															
Maintenance	30									5	5	5	5	5	5																										
TOTAL	328																																								
		FY 16/17 Total =				18				FY 17/18 Total =				285				FY 18/19 Total =				20				FY 19/20 Total =				5				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	49					-	-	9	9	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-																
Construction	260					-	-	-	-	-	130	130	-	-	-	-	-	-	-	-	-	-	-	-	-																
Maintenance	32					-	-	-	-	-	-	-	5	5	5	5	5	-	-	-	-	-	-	-	-																
TOTAL	341																																								
		FY 16/17 Total =				18				FY 17/18 Total =				296				FY 18/19 Total =				21				FY 19/20 Total =				5				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 3/1/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -

Project Name/Number : SR 408 / SR 417 Interchange Landscaping # -
 Route Number : SR 417
 Project Category : Existing System Improvements
 Work Description : Interchange Landscaping
Design, Installation & Partial Maintenance

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Installation																								
Maintenance																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	146																								
Installation	900																								
Maintenance	15																								
TOTAL	1,061																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				560				501							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	161																								
Installation	1,000																								
Maintenance	17																								
TOTAL	1,178																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				621				557							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/1/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : SR 417 / Florida's Turnpike Interchange Landscaping # -
 Route Number : SR 417
 Project Category : Existing System Improvements
 Work Description : Interchange Landscaping
 Design, Installation & Partial Maintenance

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Installation																								
Maintenance																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	108																								
Installation	650																								
Maintenance	15																								
TOTAL	773																								
		FY 16/17 Total = -				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = 407				FY 20/21 Total = 366							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017
2.5%

FY 2018
2.7%

FY 2019
2.8%

FY 2020
2.6%

FY 2021
2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	119																								
Installation	722																								
Maintenance	17																								
TOTAL	858																								
		FY 16/17 Total = -				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = 451				FY 20/21 Total = 407							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Maintenance Priority : 1
 Date Originated : 5/29/13
 Last Revision : 4/28/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -

Project Name/Number : SR 429 / SR 414 Interchange Landscape # 429-200F
 Route Number : SR's 414 & 429
 Project Category : Expansion Projects
 Work Description : Landscaping
Maintenance

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Maintenance																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Maintenance	25			5	5	5	5	5	5																
TOTAL	25																								
		FY 16/17 Total = 20				FY 17/18 Total = 5				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered = 20				Encumbered = 5																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Maintenance	25			5	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	25																								
		FY 16/17 Total = 20				FY 17/18 Total = 5				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered = 20				Encumbered = 5																			

Remarks: _____

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Design Priority : 1
 Date Originated : 5/29/13
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : SR 429 / SR 414 Interchange Landscape Phase II # 429-200G
 Route Number : SR's 414, 429 & 451
 Project Category : Expansion Projects
 Work Description : Landscaping
 Design, Installation & Maintenance

Project Schedule :

Activity	2016		2017		2018		2019		2020		2021	
Design												
Bidding												
Installation												
Maintenance												

Project Cost (in thousands \$) :

Activity	Totals \$	2016		2017		2018		2019		2020		2021									
EAL	236	53	53	10	60	60															
Installation	1,500				750	750															
Maintenance	40						5	5	5	5	5										
TOTAL	1,776	FY 16/17 Total =		926		FY 17/18 Total =		825		FY 18/19 Total =		20		FY 19/20 Total =		5		FY 20/21 Total =		-	
		Encumbered =				Encumbered =															

Cash Flow Inflated (in thousands \$) : Base Inflation rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016		2017		2018		2019		2020		2021									
EAL	240	53	53	10	62	62	-	-	-	-	-	-	-								
Installation	1,538	-	-	-	769	769	-	-	-	-	-	-	-								
Maintenance	42	-	-	-	-	-	5	5	5	5	5	-	-								
TOTAL	1,819	FY 16/17 Total =		947		FY 17/18 Total =		846		FY 18/19 Total =		21		FY 19/20 Total =		5		FY 20/21 Total =		-	
		Encumbered =				Encumbered =															

Remarks: EAL includes design, bidding and construction engineering & inspection.
 \$1.5 million construction

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : PD&E _____ Priority : 1 _____
 Date Originated : 4/30/10 _____
 Last Revision : 5/2/16 _____
 Fund Source : SP _____
 Length (miles) : 7.3 _____
 From : Challenger Parkway _____ To: SR 520 _____

Project Name/Number : SR 408 Eastern Extension # 408-254
 Route Number : SR 408
 Project Category : System Expansion Projects
 Work Description : New Expressway
 PD&E & 15% Line & Grade

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
PD&E																								
Selection																								
15% Line & Grade																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
PD&E	1,200			550	550	10	23	23	23	23																															
15% Line & Grade	3,000						750	750	750	750																															
TOTAL	4,200																																								
		FY 16/17 Total =				1,883				FY 17/18 Total =				2,318				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				1,100				Encumbered =																															

Cash Flow Inflated (in thousands \$) : Base Inflation rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
PD&E	1,202			550	550	10	23	23	23	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
15% Line & Grade	3,076			-	-	-	769	769	769	769	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
TOTAL	4,278																																								
		FY 16/17 Total =				1,902				FY 17/18 Total =				2,376				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				1,100				Encumbered =																															

Remarks: PD&E \$2.2 m contract; \$1m remaining; includes additional 10% for PM fees
 Construction cost to be estimated at conclusion of PD&E Study.

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : Selection _____ Priority : 1 _____
 Date Originated : 3/1/16 _____
 Last Revision : 5/3/16 _____
 Fund Source : SP _____
 Length (miles) : 8.0 _____
 From : SR 528 _____ To: Northeast District _____

Project Name/Number : SR 528 / Northeast District Connector Study # 528-215
 Route Number : - _____
 Project Category : System Expansion Projects _____
 Work Description : New Expressway _____
 Concept, Feasibility & Mobility Study _____

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Selection																								
C, F & M Study																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Selection	10			10																					
C, F & M Study	1,100				275	275	275	275																	
TOTAL	1,110																								
		FY 16/17 Total = 835				FY 17/18 Total = 275				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered = -				Encumbered = -																			

Cash Flow Inflated (in thousands \$) : Base Inflation rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Selection	10			10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C, F & M Study	1,100				275	275	275	275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL	1,110																								
		FY 16/17 Total = 835				FY 17/18 Total = 275				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered = -				Encumbered = -																			

Remarks: Study to examine north / south connection between SR 528 and Northeast District in Osceola County. Approximately 8 miles. Task Force Corridor H.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : Selection _____ Priority : 1 _____
 Date Originated : 3/1/16 _____
 Last Revision : 5/3/16 _____
 Fund Source : SP _____
 Length (miles) : - _____
 From : - _____ To : - _____

Project Name/Number : Expansion Projects # - _____
 Route Number : - _____
 Project Category : System Expansion Projects _____
 Work Description : New Expressway _____
 Concept, Feasibility & Mobility Study _____

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
OCX Master Plan Selection																								
OCX C, F & M Studies																								
Selection																								
C, F & M Study																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
Selection	30			10	10					10																															
OCX C, F & M	4,250				1,063	1,063	1,063	1,063																																	
C, F & M Study	2,600					400	400	400	400		250	250	250	250																											
TOTAL	6,880																																								
		FY 16/17 Total =				4,008				FY 17/18 Total =				2,123				FY 18/19 Total =				750				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				-				Encumbered =				-																											

Cash Flow Inflated (in thousands \$) : Base Inflation rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
Selection	30			10	10	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
OCX C, F & M	4,250				1,063	1,063	1,063	1,063	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
C, F & M Study	2,600					400	400	400	400	-	250	250	250	-	-	-	-	-	-	-	-	-	-	-	-																
TOTAL	6,880																																								
		FY 16/17 Total =				4,008				FY 17/18 Total =				2,123				FY 18/19 Total =				750				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				-				Encumbered =				-																											

Remarks: Includes future expansion projects in Lake, Orange, Osceola and Seminole Counties.
 OCX in FY 2017; SR 414 Direct, Andes Avenue and NE Connector Expwy Ext in FY 2017; Lake/Orange Connector in FY 2018.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 3/1/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From : US 441 Interchange To: North of Ponkan

Project Name/Number : Wekiva Parkway Section 1A Landscaping # -
 Route Number : SR 429
 Project Category : Expansion Projects
 Work Description : Landscaping
Design, Installation & Maintenance

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Bidding																		
Installation																		
Maintenance																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	184				41	41	10	46	46										
Installation	1,150							575	575										
Maintenance	40									5	5	5	5	5	5	5	5		
TOTAL	1,374				41	41	10	46	46	5	5	5	5	5	5	5	5		
		FY 16/17 Total =			FY 17/18 Total =			FY 18/19 Total =			FY 19/20 Total =			FY 20/21 Total =					
		Encumbered =			Encumbered =			Encumbered =			Encumbered =			Encumbered =					

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	191	-	-	-	42	42	10	48	48	-	-	-	-	-	-	-	-	-	
Installation	1,203	-	-	-	-	-	-	602	602	-	-	-	-	-	-	-	-	-	
Maintenance	42	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5	5	-	
TOTAL	1,436				42	42	10	48	48	5	5	5	5	5	5	5	5		
		FY 16/17 Total =			FY 17/18 Total =			FY 18/19 Total =			FY 19/20 Total =			FY 20/21 Total =					
		Encumbered =			Encumbered =			Encumbered =			Encumbered =			Encumbered =					

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Interchange landscaping at US 441 / Connector Road.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 3/1/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From : North of Ponkan Road To: North of Kelly Park Road

Project Name/Number : Wekiva Parkway Section 1B Landscaping # -
 Route Number : SR 429
 Project Category : Expansion Projects
 Work Description : Landscaping
Design, Installation & Maintenance

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Installation																								
Maintenance																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021				
EAL	240									55	55	10	60	60												
Installation	1,500												750	750												
Maintenance	40														5	5	5	5	5	5	5	5	5	5	5	5
TOTAL	1,780																									
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =								
		-				55				1,685				20				20								
		Encumbered =				-				-																

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021				
EAL	255									58	58	11	64	64												
Installation	1,613												807	807												
Maintenance	44														5	5	5	5	5	5	5	5	5	5	5	5
TOTAL	1,912																									
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =								
		-				58				1,811				22				22								
		Encumbered =				-				-																

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
Interchange landscaping at Kelly Park Road.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Construction Priority : 1
 Date Originated : 7/7/11
 Last Revision : 3/16/16
 Fund Source : SP / CF
 Length (miles) : 2.3
 From : US-441 Interchange To : North of Ponkan Road

Project Name/Number : Wekiva Parkway Section 1A # 429-202
 Route Number : SR 429
 Project Category : Expansion Projects
 Work Description : New Expressway
Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Construction																		
Toll Equipment																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021				
EAL	2,701		900	900	900																
Construction	28,429		9,476	9,476	9,476																
Toll Equipment	1,680				1,680																
	-																				
TOTAL	32,810																				
		FY 16/17 Total =			32,810	FY 17/18 Total =			-	FY 18/19 Total =			-	FY 19/20 Total =			-	FY 20/21 Total =			-
		Encumbered =			32,810	Encumbered =			-												

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021				
EAL	2,701		900	900	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Construction	28,429		9,476	9,476	9,476	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Toll Equipment	1,680		-	-	1,680	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL	32,810																				
		FY 16/17 Total =			32,810	FY 17/18 Total =			-	FY 18/19 Total =			-	FY 19/20 Total =			-	FY 20/21 Total =			-
		Encumbered =			32,810	Encumbered =			-												

Remarks: EAL includes construction engineering & inspection and post-design services.

Low Bid \$56.2 m. Additional 3% cost to complete. Includes gantry for this section. CEI portion of EAL includes CEI (\$4.1 m contract), post design cost (~1% construction), and miscellaneous PM fees.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Construction Priority : 1
 Date Originated : 7/7/11
 Last Revision : 3/16/16
 Fund Source : SP / CF
 Length (miles) : 2.3
 From: North of Ponkan Road To: North of Kelly Park Road

Project Name/Number : Wekiva Parkway Section 1B # 429-203
 Route Number : SR 429
 Project Category : Expansion Projects
 Work Description : New Expressway
 Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Construction																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	2,568		856	856	856																										
Construction	22,604		7,535	7,535	7,535																										
	-																														
	-																														
TOTAL	25,173																														
		FY 16/17 Total =			25,173			FY 17/18 Total =			-			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =			25,173			Encumbered =			-			-			-			-			-								

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021								
EAL	2,568		856	856	856	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Construction	22,604		7,535	7,535	7,535	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
TOTAL	25,173																								
		FY 16/17 Total =			25,173			FY 17/18 Total =			-			FY 18/19 Total =			-			FY 19/20 Total =			-		
		Encumbered =			25,173			Encumbered =			-			-			-			-					

Remarks: EAL includes construction engineering & inspection and post-design services.

Low Bid \$46.6 M (2015\$). Additional 3% cost to complete. CEI portion of EAL includes CEI (\$3.9 m contract), post design costs (~1% construction), and miscellaneous PM fees.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Construction Priority : 1
 Date Originated : 7/7/11
 Last Revision : 4/21/16
 Fund Source : SP / CF
 Length (miles) : 2.0
 From: North of Kelly Park Road To: East of CR 437 and North to Lake County Line

Project Name/Number : Wekiva Parkway Section 2B # 429-204
 Route Number : SR 429
 Project Category : Expansion Projects
 Work Description : New Expressway Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Construction																								
Utilities																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	8,786			1,464	1,464	1,464	1,464	1,464	1,464																																
Construction	70,230			11,705	11,705	11,705	11,705	11,705	11,705																																
Utilities	2,000			2,000																																					
TOTAL	81,016																																								
		FY 16/17 Total =				54,678				FY 17/18 Total =				26,339				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				54,678				Encumbered =				26,339																											

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	8,786			1,464	1,464	1,464	1,464	1,464	1,464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
Construction	70,230			11,705	11,705	11,705	11,705	11,705	11,705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
Utilities	2,000			-	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
TOTAL	81,016																																								
		FY 16/17 Total =				54,678				FY 17/18 Total =				26,339				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				54,678				Encumbered =				26,339																											

Remarks: EAL includes construction engineering and , and post design services.

Construction contract \$79.6 M (2016\$). CEI portion of EAL includes CEI (10% construction), post design costs (~1% construction), and miscellaneous PM fees.

Assume \$2 m Utility cost.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Construction Priority : 1
 Date Originated : 7/7/11
 Last Revision : 3/16/16
 Fund Source : SP / CF
 Length (miles) : 2.0
 From: East of CR 437 To: East of Mt. Plymouth Road

Project Name/Number : Wekiva Parkway Section 2A # 429-205
 Route Number : SR 429
 Project Category : Expansion Projects
 Work Description : New Expressway Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Construction																		
Toll Equipment																		
Utility																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	6,338			1,056	1,056	1,056	1,056	1,056	1,056										
Construction	43,740			7,290	7,290	7,290	7,290	7,290	7,290										
Toll Equipment	1,680								1,680										
Utility	1,200					1,200													
TOTAL	52,958			FY 16/17 Total = 34,585			FY 17/18 Total = 18,373			FY 18/19 Total = -			FY 19/20 Total = -			FY 20/21 Total = -			
				Encumbered = 34,585			Encumbered = 18,373												

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	6,379			1,063	1,063	1,063	1,063	1,063	1,063	-	-	-	-	-	-	-	-	-	
Construction	44,013			7,335	7,335	7,335	7,335	7,335	7,335	-	-	-	-	-	-	-	-	-	
Toll Equipment	1,747			-	-	-	-	-	1,747	-	-	-	-	-	-	-	-	-	
Utility	1,200			-	-	-	1,200	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	53,339			FY 16/17 Total = 34,795			FY 17/18 Total = 18,544			FY 18/19 Total = -			FY 19/20 Total = -			FY 20/21 Total = -			
				Encumbered = 34,795			Encumbered = 18,544												

Remarks: EAL includes construction engineering & inspection and post-design services.

Estimated construction cost of \$43.7 M (2016\$). CEI portion of EAL includes CEI (10% construction), post design costs (~1% construction), and miscellaneous PM fees.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Construction Priority : 1
 Date Originated : 7/7/11
 Last Revision : 4/21/16
 Fund Source : SP / CF
 Length (miles) : 1.3
 From : Lake County Line To : SR 46 East of Round Lake Road

Project Name/Number : Wekiva Parkway Section 2C # 429-206
 Route Number : SR 429
 Project Category : Expansion Projects
 Work Description : New Expressway Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Construction																		
Toll Equipment																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	7,167			1,164	1,164	1,164	1,164	1,164	1,346																						
Construction	49,483			8,247	8,247	8,247	8,247	8,247	8,247																						
Toll Equipment	1,680								1,680																						
TOTAL	58,330																														
		FY 16/17 Total =			37,645			FY 17/18 Total =			20,684			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =			-			Encumbered =			-																				

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	7,213			1,172	1,172	1,172	1,172	1,172	1,354	-	-	-	-	-	-	-	-	-													
Construction	49,792			8,299	8,299	8,299	8,299	8,299	8,299	-	-	-	-	-	-	-	-	-													
Toll Equipment	1,747			-	-	-	-	-	1,747	-	-	-	-	-	-	-	-	-													
TOTAL	58,752																														
		FY 16/17 Total =			37,882			FY 17/18 Total =			20,870			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =			-			Encumbered =			-																				

Remarks: EAL includes construction engineering and inspection, and post design services.

Construction contract amount \$49.5 M (2016\$). CEI portion of EAL includes CEI (10% construction), post design costs (~1% construction), and miscellaneous PM fees.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Right of Way Acquisition Priority : 1
 Date Originated : 4/1/97
 Last Revision : 5/6/15
 Fund Source : SP / CF
 Length (miles) : -
 From: US 441 To: East of Mt Plymouth Road and northwest to SR 46

Project Name/Number : SR 429 - Wekiva Parkway (Right of Way) # -
 Route Number : SR 429
 Project Category : Expansion Projects
 Work Description : New Expressway
Right of Way

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Right of Way (Section 1A)																		
Right of Way (Section 1B)																		
Right of Way (Section 2B)																		
Right of Way (Section 2A)																		
Right of Way (Section 2C)																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
ROW (Sect 1A)	8,353		1,075	1,075	1,075	1,075	1,075	1,075	1,075	206	206	206	206																		
ROW (Sect 1B)	31,789		4,093	4,093	4,093	4,093	4,093	4,093	4,093	785	785	785	785																		
ROW (Sect 2B)	16,284		1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	402	402	402																
ROW (Sect 2A)	3,137		314	314	314	314	314	314	314	314	314	77	77	77	77																
ROW (Sect 2C)	9,163		917	917	917	917	917	917	917	226	226	226	226	226	226																
TOTAL	68,726																														
		FY 16/17 Total =			31,468			FY 17/18 Total =			27,292			FY 18/19 Total =			8,858			FY 19/20 Total =			1,108			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
ROW (Sect 1A)	8,353		1,075	1,075	1,075	1,075	1,075	1,075	1,075	206	206	206	206	-	-	-	-	-													
ROW (Sect 1B)	31,789		4,093	4,093	4,093	4,093	4,093	4,093	4,093	785	785	785	785	-	-	-	-	-													
ROW (Sect 2B)	16,284		1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	402	402	402	402	-	-													
ROW (Sect 2A)	3,137		314	314	314	314	314	314	314	314	314	77	77	77	77	-	-	-													
ROW (Sect 2C)	9,163		917	917	917	917	917	917	917	226	226	226	226	226	226	-	-	-													
TOTAL	68,726																														
		FY 16/17 Total =			31,468			FY 17/18 Total =			27,292			FY 18/19 Total =			8,858			FY 19/20 Total =			1,108			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Remarks: No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Construction Priority : 1
 Date Originated : 3/1/95
 Last Revision : 4/27/16
 Fund Source : SP
 Length (miles) : -
 From: SR 408/SR 417 To: Lake Underhill Road

Project Name/Number : SR 408/SR 417 Interchange (Phase I) # 253F
 Route Number : SR 408 / SR 417
 Project Category : Interchange Projects
 Work Description : Add Ramps, Mill and Resurface Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	3,244			811	811	811	811																																		
Construction	27,032			6,758	6,758	6,758	6,758																																		
TOTAL	30,276																																								
		FY 16/17 Total =				30,276				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				30,276				Encumbered =																															

Cash Flow Inflated (in thousands \$) :

Base Inflation rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021											
EAL	3,244			811	811	811	811	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Construction	27,032			6,758	6,758	6,758	6,758	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
TOTAL	30,276																																
		FY 16/17 Total =				30,276				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-			
		Encumbered =				30,276				Encumbered =																							

Remarks: EAL includes construction engineering & inspection and post-design services.

Low Bid = \$36.7 m; Construction began January 2016; 18 month duration

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 3/1/95
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From : SR 408/SR 417 To : Lake Underhill Road

Project Name/Number : SR 408/SR 417 Interchange (Phase II) # 253G
 Route Number : SR 408 / SR 417
 Project Category : Interchange Projects
 Work Description : Add Ramps, Mill and Resurface
Design, Bidding & Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Bidding																		
Construction																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	7,708			90	90	90	10	928	928	928	928	928	928																		
Construction	61,896							7,737	7,737	7,737	7,737	7,737	7,737																		
TOTAL	69,604																														
		FY 16/17 Total =			280			FY 17/18 Total =			34,662			FY 18/19 Total =			34,662			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Cash Flow Inflated (in thousands \$) :

Base Inflation rate = 2.6%

Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	7,954			91	91	91	10	959	959	959	959	959	959	-	-	-	-	-													
Construction	63,886			-	-	-	-	7,986	7,986	7,986	7,986	7,986	7,986	-	-	-	-	-													
TOTAL	71,840																														
		FY 16/17 Total =			282			FY 17/18 Total =			35,779			FY 18/19 Total =			35,779			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.

Estimated construction cost of \$61.9 million (2016 \$) for Phase II

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 4/12/05
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : SR 429 / Schofield Road Interchange Landscaping # 429-305
 Route Number : SR 429
 Project Category : Interchange Projects
 Work Description : Landscaping
 Design, Installation & Maintenance

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Landscape Design																		
Bidding																		
Landscape Installation																		
Landscape Maintenance																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	63				12	13	10	28											
Landscape Inst.	350							350											
Landscape Maint..	40							5	5	5	5	5	5	5	5				
TOTAL	453	FY 16/17 Total =			FY 17/18 Total =			FY 18/19 Total =			FY 19/20 Total =			FY 20/21 Total =					
		Encumbered =			Encumbered =														

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	65	-	-	-	12	13	10	29	-	-	-	-	-	-	-	-	-		
Landscape Inst.	366	-	-	-	-	-	-	366	-	-	-	-	-	-	-	-	-		
Landscape Maint..	42	-	-	-	-	-	-	-	5	5	5	5	5	5	5	-	-	-	
TOTAL	474	FY 16/17 Total =			FY 17/18 Total =			FY 18/19 Total =			FY 19/20 Total =			FY 20/21 Total =					
		Encumbered =			Encumbered =														

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 9/18/12
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : SR 417 / Boggy Creek Road Interchange (Phase III) Landscaping # 417-301C
 Route Number : SR 417
 Project Category : Interchange Projects
 Work Description : Landscaping
 Design, Installation & Maintenance

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Landscape Design																								
Bidding																								
Landscape Installation																								
Landscape Maintenance																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	122					26	26	10	30	30																															
Landscape Inst.	750								375	375																															
Landscape Maint..	40									5	5	5	5	5	5	5	5																								
TOTAL	912																																								
		FY 16/17 Total =				52				FY 17/18 Total =				825				FY 18/19 Total =				20				FY 19/20 Total =				15				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	126					-	-	27	27	10	31	31	-	-	-	-	-	-	-	-	-	-	-	-	-																
Landscape Inst.	779					-	-	-	-	-	390	390	-	-	-	-	-	-	-	-	-	-	-	-	-																
Landscape Maint..	42					-	-	-	-	-	-	-	5	5	5	5	5	5	5	5	5	-	-	-	-																
TOTAL	947																																								
		FY 16/17 Total =				53				FY 17/18 Total =				857				FY 18/19 Total =				21				FY 19/20 Total =				16				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Remarks: EAL includes landscape design, construction engineering & inspection for both interchange and landscape.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Design-Build Priority : 1
 Date Originated : 3/28/07
 Last Revision : 5/2/16
 Fund Source : SP
 Length (miles) : -
 From: Innovation Way To: Aerospace Parkway

Project Name/Number : SR 528 / Innovation Way Interchange # 528-313
 Route Number : SR 528
 Project Category : Interchange Projects
 Work Description : New Interchange
 Design-Build

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design-Build																								
Toll Equipment																								
Landscape																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	7,719			1,103	1,103	1,103	1,103	1,103	1,103	1,103																															
Design-Build	64,323			9,189	9,189	9,189	9,189	9,189	9,189	9,189																															
Toll Equipment	840									840																															
Landscape	500									500																															
TOTAL	73,382	FY 16/17 Total =				41,167				FY 17/18 Total =				32,215				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				41,167				Encumbered =				30,875																											

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	7,719			1,103	1,103	1,103	1,103	1,103	1,103	1,103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
Design-Build	64,323			9,189	9,189	9,189	9,189	9,189	9,189	9,189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
Toll Equipment	879			-	-	-	-	-	-	879	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
Landscape	527			-	-	-	-	-	-	527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
TOTAL	73,447	FY 16/17 Total =				41,167				FY 17/18 Total =				32,281				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				41,167				Encumbered =				30,875																											

Remarks: EAL includes construction engineering & inspection and post-design services.

Low bid \$62.5 m. Includes additional 3% cost to complete.

Totals do not reflect contributions from Suburban Land Research, Orange County, and All Aboard Florida. Assumes SLR is responsible for all mitigation costs.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 8/2/13
 Last Revision : 4/25/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : SR 408 at I-4 Ultimate # -
 Route Number : SR 408
 Project Category : Interchange Projects
 Work Description : Interchange Reconstruction
Contribution & Corridor Consultant

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Corridor Consultant																								
Contribution																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Corr. Consultant	3,860			241	241	241	241	241	241	241	241	241	241	241	241	242	242	242	242						
Contribution	230,000							75,000				75,000				80,000									
TOTAL	233,860	FY 16/17 Total = 964				FY 17/18 Total = 75,964				FY 18/19 Total = 75,964				FY 19/20 Total = 80,968				FY 20/21 Total = -							
		Encumbered = 964				Encumbered = 964																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Corr. Consultant	3,860			241	241	241	241	241	241	241	241	241	241	241	241	242	242	242	242	-	-	-	-	-	-
Contribution	230,000			-	-	-	-	75,000	-	-	-	75,000	-	-	-	80,000	-	-	-	-	-	-	-	-	-
TOTAL	233,860	FY 16/17 Total = 964				FY 17/18 Total = 75,964				FY 18/19 Total = 75,964				FY 19/20 Total = 80,968				FY 20/21 Total = -							
		Encumbered = 964				Encumbered = 964																			

Remarks: Total contribution of \$230 m.

Corridor Consultant Contract Total \$5.3 m.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/13/16
 Last Revision : 5/3/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -
 Priority : 1

Project Name/Number : SR 429 New Interchange Studies # -
 Route Number : SR 429
 Project Category : Interchange Projects
 Work Description : Interchange Studies and Design
 Concept Study, Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Concept Study																								
Design																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Concept Study	405					135	135	135																	
Design	9,250							1,542	1,542	1,542	1,542	1,542	1,542												
Construction	18,777													3,755	3,755	3,755	3,755	3,755							
TOTAL	28,432																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				270				6,302				14,350				7,511				-			
		Encumbered =				-				-				-				-							

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Concept Study	413																								
Design	9,547																								
Construction	20,034																								
TOTAL	29,994																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				275				6,503				15,203				8,014				-			
		Encumbered =				-				-				-				-							

Remarks: Concept consists of a 1/2 diamond interchange serving movements to / from the north on SR 429. Interchange will serve developing area along Tilden Road, Tiny Road and northern areas of Horizon West
 Example Projects: SR 429 at Tilden Road (PDC \$8.9 m), CR 535 SB Off Ramp (PDC \$9.9 m)

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/13/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : SR 417 / Narcoossee Road Ultimate Interchange # -
 Route Number : SR 417
 Project Category : Interchange Projects
 Work Description : Concept Study
 Concept Study & Design

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Concept Study																								
Design																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Concept Study	400																	200	200						
Design	1,380																			460	460	460			
TOTAL	1,780																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				400				1,380							
		Encumbered =				Encumbered =																			
		-				-																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Concept Study	441																								
Design	1,544																								
TOTAL	1,985																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				441				1,544							
		Encumbered =				Encumbered =																			
		-				-																			

Remarks: Concept Study will develop ultimate improvement necessary to serve long term traffic demand.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/16/16
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : SR 528 / Innovation Way Landscaping # -
 Route Number : SR 528
 Project Category : Interchange Projects
 Work Description : Landscaping
 Design, Installation & Partial Maintenance

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Installation																								
Maintenance																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	86																								
Installation	500																								
Maintenance	15																								
TOTAL	601																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				316				285							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	95																								
Installation	556																								
Maintenance	17																								
TOTAL	667																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				-				350				317							
		Encumbered =				-				-															

Remarks: Landscaping for ultimate Innovation Way Interchange

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Construction Priority : 1
 Date Originated : 4/1/96
 Last Revision : 3/13/16
 Fund Source : SP
 Length (miles) : 2.1
 From: Boggy Creek Road To: SR 436

Project Name/Number : SR 528 Airport Toll Plaza Demolition # 528-405
 Route Number : SR 528
 Project Category : Facilities Projects
 Work Description : Demolish Existing Mainline Toll Plaza
 Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	140			140																					
Construction	1,296			1,296																					
TOTAL	1,436	FY 16/17 Total = 1,436				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered = 1,436				Encumbered = -																			

Cash Flow Inflated (in thousands \$) : Base Inflation rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	140			140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Construction	1,296			1,296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL	1,436	FY 16/17 Total = 1,436				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered = 1,436				Encumbered = -																			

Remarks: EAL includes bidding and construction engineering & inspection.

Project includes demolition of Airport Mainline plaza, additional ramp toll plazas and improvements to SR 528 between Boggy Creek and SR 436.
 Total construction contract \$38.7 million. End date extended to July 2016.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 4/1/96
 Last Revision : 4/21/16
 Fund Source : SP
 Length (miles) : 2.1
 From: Boggy Creek Road To: SR 436
 Priority : 1

Project Name/Number : SR 528 Airport Frontage Landscaping # -
 Route Number : SR 528
 Project Category : Facilities Projects
 Work Description : Landscaping
 Design, Installation & Maintenance

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Installation																								
Maintenance																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	108							88	10	10															
Installation	125									125															
Maintenance	40									5	5	5	5	5	5	5	5								
TOTAL	273																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				238				20				15				-			
		Encumbered =				Encumbered =																			
		-				-																			

Cash Flow Inflated (in thousands \$) : Base Inflation rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	112			-	-	-	-	91	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation	131			-	-	-	-	-	-	131															
Maintenance	42			-	-	-	-	-	-	5	5	5	5	5	5	5	5								
TOTAL	285																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				248				21				16				-			
		Encumbered =				Encumbered =																			
		-				-																			

Remarks: Landscaping to compliment new interchange

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 3/1/95
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Toll Plaza Projects # -
 Route Number : Systemwide
 Project Category : Facilities Projects
 Work Description : Toll Plaza Projects
Design & Construction
(Projects to be determined)

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	50					5	5			5	5			5	5			5	5			5	5		
Construction	450						90				90				90				90				90		
TOTAL	500	FY 16/17 Total = 100				FY 17/18 Total = 100				FY 18/19 Total = 100				FY 19/20 Total = 100				FY 20/21 Total = 100							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	50			-	-	5	5	-	-	5	5	-	-	5	5	-	-	5	5	-	-	5	5	-	-
Construction	450			-	-	-	90	-	-	-	90	-	-	-	90	-	-	-	90	-	-	-	90	-	-
TOTAL	500	FY 16/17 Total = 100				FY 17/18 Total = 100				FY 18/19 Total = 100				FY 19/20 Total = 100				FY 20/21 Total = 100							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 7/1/14
 Last Revision : 5/3/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Generator Replacements and Upgrades # -
 Route Number : Systemwide
 Project Category : Facilities Projects
 Work Description : Generator Replacements
Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	240			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Construction	1,800			300		150	150			150		150	150			150	150			150	150	150	150		
TOTAL	2,040	FY 16/17 Total = 660				FY 17/18 Total = 345				FY 18/19 Total = 345				FY 19/20 Total = 345				FY 20/21 Total = 345							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	240			15	15	15	15	15	15	15	-	15	15	15	-	15	15	15	-	15	15	15	-		
Construction	1,800			300	-	150	150	-	150	150	-	-	150	150	-	-	150	150	-	-	150	150	-		
TOTAL	2,040	FY 16/17 Total = 660				FY 17/18 Total = 345				FY 18/19 Total = 345				FY 19/20 Total = 345				FY 20/21 Total = 345							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding and construction engineering & inspection.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
 Generator replacement/upgrades at mainline and ramp plazas. Assumes replacement of 5 generators per year. Includes project 599-735.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 7/1/14
 Last Revision : 4/28/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : Systemwide Air Conditioner Replacements and Upgrades # -
 Route Number : Systemwide
 Project Category : Facilities Projects
 Work Description : Air Conditioner Replacements
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	120			36	8	8	8			18	4	4	4	18	4	4	4	4	4	4					
Construction	480				80	80	80				40	40	40		40	40	40								
TOTAL	600	FY 16/17 Total = 212				FY 17/18 Total = 88				FY 18/19 Total = 150				FY 19/20 Total = 150				FY 20/21 Total = -							
		Encumbered = -				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	120			-	36	8	8	8	-	-	-	-	18	4	4	4	18	4	4	4	-	-	-		
Construction	480			-	-	80	80	80	-	-	-	-	-	40	40	40	-	40	40	40	-	-	-		
TOTAL	600	FY 16/17 Total = 212				FY 17/18 Total = 88				FY 18/19 Total = 150				FY 19/20 Total = 150				FY 20/21 Total = -							
		Encumbered = -				Encumbered =																			

Remarks: EAL includes design, bidding and construction engineering & inspection.

No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Projects include: FY 17 & 18 - SR 408 mainline and ramp plazas; FY 19 - SR 429 mainline and ramp plazas; FY 20 - SR 414 mainline and ramp plazas

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 7/1/14
 Last Revision : 3/13/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Roof Replacements # -
 Route Number : Systemwide
 Project Category : Facilities Projects
 Work Description : Roof Replacements
Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	200			15	15			5	5			15	15			5	5			15	15			5	5
Construction	1,000							100	100			100	100			100	100			100	100			100	100
TOTAL	1,200	FY 16/17 Total = 240				FY 17/18 Total = 240				FY 18/19 Total = 240				FY 19/20 Total = 240				FY 20/21 Total = 240							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	200			15	15			5	5			15	15			5	5			15	15			5	5
Construction	1,000			-	-			100	100			100	100			100	100			100	100			100	100
TOTAL	1,200	FY 16/17 Total = 240				FY 17/18 Total = 240				FY 18/19 Total = 240				FY 19/20 Total = 240				FY 20/21 Total = 240							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding and construction engineering & inspection.

No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : No Activity Priority : 1
 Date Originated : 5/4/15
 Last Revision : 3/13/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide UPS Replacements # -
 Route Number : Systemwide
 Project Category : Facilities Projects
 Work Description : UPS Replacements
 Installation

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Installation																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	20			10				10																																	
Installation	200			100				100																																	
TOTAL	220																																								
		FY 16/17 Total =				110				FY 17/18 Total =				110				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	20			10	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
Installation	200			100	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
TOTAL	220																																								
		FY 16/17 Total =				110				FY 17/18 Total =				110				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Remarks: EAL includes construction engineering & inspection.

No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Installation Priority : 1
 Date Originated : 5/4/15
 Last Revision : 4/26/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -

Project Name/Number : Miscellaneous CFX Headquarters Improvements # -
 Route Number : HQ
 Project Category : Facilities Projects
 Work Description : Miscellaneous Projects
 Design & Installation

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Installation																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	510			98	98	98	98	30				30				30				30																					
Installation	4,252			813	813	813	813	250				250				250				250																					
TOTAL	4,762																																								
		FY 16/17 Total =				3,642				FY 17/18 Total =				280				FY 18/19 Total =				280				FY 19/20 Total =				280				FY 20/21 Total =				280			
		Encumbered =				3,642				Encumbered =																															

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	510			98	98	98	98	30	-	-	-	30	-	-	-	30	-	-	-	30	-	-	-																		
Installation	4,252			813	813	813	813	250	-	-	-	250	-	-	-	250	-	-	-	250	-	-	-																		
TOTAL	4,762																																								
		FY 16/17 Total =				3,642				FY 17/18 Total =				280				FY 18/19 Total =				280				FY 19/20 Total =				280				FY 20/21 Total =				280			
		Encumbered =				3,642				Encumbered =																															

Remarks: EAL includes construction engineering & inspection.

No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

FY 16/17 includes 2nd floor remodel, Board room technology upgrade., and IT work area re-configuration. Includes Project 599-412, CFX Headquarters Front Desk Improvements.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Bidding
 Date Originated : 5/4/15
 Last Revision : 5/2/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : CFX Headquarters Parking Lot Lighting and Sealing # 599-411
 Route Number : HQ
 Project Category : Facilities Projects
 Work Description : Miscellaneous Projects
 Bidding & Installation

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Bidding																		
Installation																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	54		10	22	22														
Installation	370			185	185														
TOTAL	424	FY 16/17 Total = 424			FY 17/18 Total = -			FY 18/19 Total = -			FY 19/20 Total = -			FY 20/21 Total = -					
		Encumbered =			Encumbered =														

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	55		10	22	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation	375		-	187	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	430	FY 16/17 Total = 430			FY 17/18 Total = -			FY 18/19 Total = -			FY 19/20 Total = -			FY 20/21 Total = -					
		Encumbered =			Encumbered =														

Remarks: EAL includes bidding, construction engineering & inspection and post-design services.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : <u>No Activity</u>	Priority : <u>2</u>	Project Name/Number : <u>Fiber Optic Network (FON) Utility Adjustments</u>	# <u>408-509</u>
Date Originated : <u>4/29/02</u>		Route Number : <u>Systemwide</u>	
Last Revision : <u>3/16/16</u>		Project Category : <u>Technology</u>	
Fund Source : <u>SP</u>		Work Description : <u>Utility Adjustments</u>	
Length (miles) : <u>-</u>		<u>Utility Adjustments</u>	
From: <u>-</u>	To: <u>-</u>		

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
FON Utility Adjustments																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Adjustments	300			50			50					50					50					50			
TOTAL	300	FY 16/17 Total = 100				FY 17/18 Total = 50				FY 18/19 Total = 50				FY 19/20 Total = 50				FY 20/21 Total = 50							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :	Base Inflation Rate = 2.6%	Const. Inflation Rates =	FY 2017 2.5%	FY 2018 2.7%	FY 2019 2.8%	FY 2020 2.6%	FY 2021 2.5%
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Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Adjustments	300			50			50					50					50					50			
TOTAL	300	FY 16/17 Total = 100				FY 17/18 Total = 50				FY 18/19 Total = 50				FY 19/20 Total = 50				FY 20/21 Total = 50							
		Encumbered =				Encumbered =																			

Remarks: Scope includes the FON utility adjustments as needed with projects (by others).
No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 4/29/02
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Regional ITS Partnership Projects # -
 Route Number : Systemwide
 Project Category : Technology
 Work Description : Regional ITS Partnership Projects
Partnership Contributions

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Partnering Funds																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Partnering Funds	540			45	45	45	45	45	45	45	45	45	45	45	45										
TOTAL	540	FY 16/17 Total = 180				FY 17/18 Total = 180				FY 18/19 Total = 180				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
Partnering Funds	540			45	45	45	45	45	45	45	45	45	45	45	45	-	-	-	-	-	-	-	-	-	-
TOTAL	540	FY 16/17 Total = 180				FY 17/18 Total = 180				FY 18/19 Total = 180				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered =				Encumbered =																			

Remarks: Funding for ITS studies by regional partners to further improve the benefits of ITS technologies for CFX customers.

No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Includes partnership funds for LIPAR traffic data collections and equipment pilot.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Design Priority : 1
 Date Originated : 6/27/13
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -

Project Name/Number : ITS Network Upgrade Phase II # -
 Route Number : Systemwide
 Project Category : Technology
 Work Description : Re-splice Network Physical Architecture
 Design & Construction

Project Schedule :

Activity	2016		2017		2018		2019		2020		2021	
Design												
Bidding												
Construction												

Project Cost (in thousands \$) :

Activity	Totals \$	2016		2017		2018		2019		2020		2021	
EAL	360	70	70	10	105								
Construction	1,538				769	769							
TOTAL	1,898												
		FY 16/17 Total =		1,024		FY 17/18 Total =		874		FY 18/19 Total =		-	
		Encumbered =				Encumbered =				FY 19/20 Total =		-	
						FY 20/21 Total =						-	

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016		2017		2018		2019		2020		2021	
EAL	367	70	70	10	108	108	-	-	-	-	-	-	-
Construction	1,577	-	-	-	788	788	-	-	-	-	-	-	-
TOTAL	1,943												
		FY 16/17 Total =		1,047		FY 17/18 Total =		896		FY 18/19 Total =		-	
		Encumbered =				Encumbered =				FY 19/20 Total =		-	
						FY 20/21 Total =						-	

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection.

Re-splice ITS network physical architecture for improved performance and enhanced system resiliency; includes upgrade of existing ramp and mainline switches.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 9/11/12
 Last Revision : 4/25/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -
 Priority : 1

Project Name/Number : Wekiva Parkway CCTV Deployment Sections 1A & 1B # -
 Route Number : Wekiva Parkway
 Project Category : Technology
 Work Description : CCTV Cameras
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	388					74	74	74	10	39	39	39	39												
Construction	1,164									291	291	291	291												
TOTAL	1,552					FY 16/17 Total = 148				FY 17/18 Total = 744				FY 18/19 Total = 660				FY 19/20 Total = -				FY 20/21 Total = -			
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021					
EAL	400					-	-	75	75	75	10	41	41	41	41	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,218					-	-	-	-	-	-	304	304	304	304	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1,618					FY 16/17 Total = 151				FY 17/18 Total = 776				FY 18/19 Total = 690				FY 19/20 Total = -				FY 20/21 Total = -					
		Encumbered =				Encumbered =																					

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection.

Design & install approximately 10 CCTV cameras for deployment on CFX-operated portions of the Wekiva Parkway (Sections 1A and 1B)

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 9/11/12
 Last Revision : 4/25/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -
 Priority : 1

Project Name/Number : Wekiva Parkway CCTV Deployment Sections 2A, 2B & 2C # -
 Route Number : Wekiva Parkway
 Project Category : Technology
 Work Description : CCTV Cameras
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	542									104	104	104	10	55	55	55	55								
Construction	1,628													407	407	407	407								
TOTAL	2,170																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				312				1,396				462				-							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	570									108	108	108	11	59	59	59	59								
Construction	1,739													435	435	435	435								
TOTAL	2,308																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				324				1,491				493				-							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection.

Design & install approximately 14 CCTV cameras for deployment on CFX-operated portions of the Wekiva Parkway (Sections 2A, 2B and 2C).

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 5/16/12
 Last Revision : 4/25/16
 Fund Source : SP
 Length (miles) : -
 From : - To : -
 Priority : 1

Project Name/Number : Advanced Expressway Operations Performance Measures # -
 Route Number : Systemwide
 Project Category : Technology
 Work Description : Enhancements to ITS Data Analysis Systems
 Implementation

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Implementation																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	100					25	25	25	25																
Implementation	1,200					300	300	300	300																
TOTAL	1,300																								
		FY 16/17 Total = 650				FY 17/18 Total = 650				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	102					-	-	25	25	25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Implementation	1,223					-	-	306	306	306	306	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1,325																								
		FY 16/17 Total = 662				FY 17/18 Total = 662				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered =				Encumbered =																			

Remarks: EAL includes construction engineering & inspection.

This project includes the development and implementation of systems and methods to fully leverage the CFX ITS system to provide advanced expressway operations performance measures and provide data for enhanced decision-making.

Includes Project 599-529, ITS Antennas on Turnpike.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Bidding Priority : 2
 Date Originated : 4/15/10
 Last Revision : 5/3/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Supplemental DCS and CCTV Deployment # -
 Route Number : Systemwide
 Project Category : Technology
 Work Description : Deploy DCS and CCTV Cameras
Design & Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Bidding																		
Construction																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	770		10	5	5	150	150	10	110	110	110																				
Construction	5,100			50	50				1,250	1,250	1,250																				
TOTAL	5,870																														
		FY 16/17 Total =			270			FY 17/18 Total =			2,880			FY 18/19 Total =			2,720			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	799		10	5	5	154	154	10	115	115	115																				
Construction	5,332			51	51				1,308	1,308	1,308																				
TOTAL	6,131																														
		FY 16/17 Total =			275			FY 17/18 Total =			3,010			FY 18/19 Total =			2,846			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection.

Deploy Data Collection Sensors at critical locations to further improve travel time system performance.

Deploy CCTV cameras on SR 528 to provide full camera coverage at critical systems interchanges.

Includes systemwide tone wire replacement. Includes Project 599-530, South Access DMS.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Construction Priority : 1
 Date Originated : 3/11/15
 Last Revision : 5/3/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Wrong-Way Driving Countermeasures # 599-526
 Route Number : Systemwide
 Project Category : Technology
 Work Description : Wrong-Way Driving Countermeasures at selected ramps
 Design & Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Bidding																		
Construction																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	950		540	75	175	10	75	75																							
Construction	4,900		1,900	750	750	750	750																								
TOTAL	5,850																														
		FY 16/17 Total =			4,200			FY 17/18 Total =			1,650			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =			2,440			Encumbered =																							

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	962		544	76	177	10	77	77	-	-	-	-	-	-	-	-	-														
Construction	4,967		1,900	759	759	-	774	774	-	-	-	-	-	-	-	-	-														
TOTAL	5,929																														
		FY 16/17 Total =			4,226			FY 17/18 Total =			1,703			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =			2,444			Encumbered =																							

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection. For the First Quarter of FY 17, EAL also includes \$350k for procurement.
 Deploy wrong-way driving countermeasures equipment at approximately 30 ramp locations.
 Includes Wrong Way Detection Projects 599-526A (under construction), 599-526B construction (anticipated to start in the 2nd quarter of FY 17), and additional phases / locations.

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : No Activity Priority : 2
 Date Originated : 3/11/15
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Connected Vehicle Pilot Concept # -
 Route Number : Systemwide
 Project Category : Technology
 Work Description : Connected Vehicle Pilot Concept Concept

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Concept																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	500					125	125	125	125																
TOTAL	500					FY 16/17 Total = 250				FY 17/18 Total = 250				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -			
						Encumbered =				Encumbered =															

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	500					-	-	125	125	125	125	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL	500					FY 16/17 Total = 250				FY 17/18 Total = 250				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -			
						Encumbered =				Encumbered =															

Remarks: No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
Perform a concept evaluation to allow CFX to achieved the full benefit of upcoming connected vehicle deployment in commercial and passenger vehicles for enhanced traveler informaiton and incident management.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Design Priority : 1
 Date Originated : 3/17/15
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Headquarters Security Cameras # -
 Route Number : -
 Project Category : Technology
 Work Description : Security Cameras
 Design & Construction

Project Schedule :

Activity	2016		2017		2018		2019		2020		2021	
Design												
Bidding												
Construction												

Project Cost (in thousands \$) :

Activity	Totals \$	2016		2017		2018		2019		2020		2021	
EAL	110	50	10	50									
Construction	500			500									
	-												
TOTAL	610	FY 16/17 Total = 610		FY 17/18 Total = -		FY 18/19 Total = -		FY 19/20 Total = -		FY 20/21 Total = -			
		Encumbered =		Encumbered =									

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016		2017		2018		2019		2020		2021	
EAL	110	50	10	50	-	-	-	-	-	-	-	-	
Construction	500	-	-	500	-	-	-	-	-	-	-	-	
TOTAL	610	FY 16/17 Total = 610		FY 17/18 Total = -		FY 18/19 Total = -		FY 19/20 Total = -		FY 20/21 Total = -			
		Encumbered =		Encumbered =									

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/17/15
 Last Revision : 3/15/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : Geolocation of Field Utilities # -
 Route Number : Systemwide
 Project Category : Technology
 Work Description : Geolocation
 Design & Implementation

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Implementation																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	50			20	10	10	10																																		
Implementation	250					125	125																																		
	-																																								
TOTAL	300	FY 16/17 Total =				165				FY 17/18 Total =				135				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				Encumbered =																																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017
2.5%

FY 2018
2.7%

FY 2019
2.8%

FY 2020
2.6%

FY 2021
2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	50			-	20	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
Implementation	250			-	-	-	125	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
TOTAL	300	FY 16/17 Total =				165				FY 17/18 Total =				135				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				Encumbered =																																			

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection.

No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Implementation Priority : 1
 Date Originated : 5/31/06
 Last Revision : 5/3/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Toll Collection System Upgrade # 599-902
 Route Number : Systemwide
 Project Category : Facilities Projects
 Work Description : System Upgrade
Implementation & Testing

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Implementation																								
Testing																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	7,972			344	344	344	344	494	494	494	494	509	509	509	509	328	328	328	328	318	318	318	318																		
Implementation	49,220			2,854	2,854	2,854	2,854	5,433	5,433	5,433	5,433	3,663	3,663	3,663	3,663	355	355	355	355																						
TOTAL	57,192																																								
		FY 16/17 Total =				12,792				FY 17/18 Total =				23,708				FY 18/19 Total =				16,688				FY 19/20 Total =				2,732				FY 20/21 Total =				1,272			
		Encumbered =				12,792				Encumbered =				23,708																											

Cash Flow Inflated (in thousands \$) :

Base Inflation rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	7,972			344	344	344	344	494	494	494	494	509	509	509	509	328	328	328	328	318	318	318	318																		
Implementation	49,220			2,854	2,854	2,854	2,854	5,433	5,433	5,433	5,433	3,663	3,663	3,663	3,663	355	355	355	355	-	-	-	-																		
TOTAL	57,192																																								
		FY 16/17 Total =				12,792				FY 17/18 Total =				23,708				FY 18/19 Total =				16,688				FY 19/20 Total =				2,732				FY 20/21 Total =				1,272			
		Encumbered =				12,792				Encumbered =				23,708																											

Remarks: Includes upgrades to lane, plaza toll equipment and centralized transaction server, and upgrades to violation enforcement and image processing.
Supports mix of electronic/coin/attended lanes, future AET, and integration with the proposed new statewide consolidated back office system.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/17/15
 Last Revision : 5/3/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -
 Priority : 1

Project Name/Number : Software - Hardware Replacements & Upgrades # -
 Route Number : Systemwide
 Project Category : Technology
 Work Description : Replacements & Upgrades
 Design & Implementation

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Implementation																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	840			150	150	150	150	60	60	60	60																														
Implementation	3,500			625	625	625	625	250	250	250	250																														
	-																																								
TOTAL	4,340																																								
		FY 16/17 Total =				3,100				FY 17/18 Total =				1,240				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	840			150	150	150	150	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-																		
Implementation	3,500			625	625	625	625	250	250	250	250	-	-	-	-	-	-	-	-	-	-	-	-																		
TOTAL	4,340																																								
		FY 16/17 Total =				3,100				FY 17/18 Total =				1,240				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =								Encumbered =																															

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
 Projects Include Skype-4-Business Implementation, IT Work Area Re-Configuration, PCI - Point to Point Encryption, Telephony Upgrades, Call Center Desktop Refresh, SAN Upgrade HOST, & Project Documentation
 Software Upgrades Include SharePoint 2016, MS Office 2016, Windows 10, & Exchange 2016

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/17/15
 Last Revision : 3/15/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -
 Priority : 1

Project Name/Number : eCommerce Mobile Application # -
 Route Number : Systemwide
 Project Category : Technology
 Work Description : Mobile Application
 Design & Implementation

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Implementation																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	384			96	96	96	96																																		
Implementation	400				133	133	134																																		
	-																																								
TOTAL	784	FY 16/17 Total =				784				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				Encumbered =				Encumbered =				Encumbered =				Encumbered =				Encumbered =				Encumbered =															

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	388			97	97	97	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
Implementation	405			-	135	135	136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
TOTAL	793	FY 16/17 Total =				793				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				Encumbered =				Encumbered =				Encumbered =				Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
 Mobile Phone Application for the eCommerce Website Depending Upon Requirements

Central Florida Expressway Authority
Five-Year Work Plan
Project Information

Current Status : <u>No Activity</u>	Priority : <u>1</u>	Project Name/Number : <u>Back Office - E-PASS Re-Write</u>	# <u>-</u>
Date Originated : <u>3/17/15</u>		Route Number : <u>Systemwide</u>	
Last Revision : <u>3/15/16</u>		Project Category : <u>Technology</u>	
Fund Source : <u>SP</u>		Work Description : <u>E-PASS Re-Write</u>	
Length (miles) : <u>-</u>		<u>Design & Implementation</u>	
From : <u>-</u>	To : <u>-</u>		

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Implementation																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	4,200			525	525	525	525	525	525																						
Implementation	17,500			2,500	2,500	2,500	2,500	2,500	2,500																						
TOTAL	21,700																														
		FY 16/17 Total =			9,600			FY 17/18 Total =			12,100			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	4,251			528	532	532	532	532	532																						
Implementation	17,719			-	2,531	2,531	2,531	2,531	2,531																						
TOTAL	21,971																														
		FY 16/17 Total =			9,718			FY 17/18 Total =			12,253			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Remarks: EAL includes design, permitting, bidding and construction engineering & inspection.
No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
Back Office Re-Write | Hardware, Software, Licenses, Personnel. Including outside consultant development.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 2
 Date Originated : 3/1/95
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Miscellaneous Signing & Pavement Markings # -
 Route Number : Systemwide
 Project Category : Signing and Pavement Markings
 Work Description : Signing and Pavement Markings
Design & Construction
(Projects to be determined)

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Construction																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	100			10	10		10	10		10	10		10	10		10	10		10
Construction	650				130			130			130			130			130		
TOTAL	750	FY 16/17 Total = 150			FY 17/18 Total = 150			FY 18/19 Total = 150			FY 19/20 Total = 150			FY 20/21 Total = 150					
		Encumbered =			Encumbered =														

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	100			- 10	10	- -	10	10	- -	10	10	- -	10	10	- -	10	10	- -	10
Construction	650			- -	130	- -	-	130	- -	-	130	- -	-	130	- -	-	130	- -	-
TOTAL	750	FY 16/17 Total = 150			FY 17/18 Total = 150			FY 18/19 Total = 150			FY 19/20 Total = 150			FY 20/21 Total = 150					
		Encumbered =			Encumbered =														

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
 Projects include new installations of signs and pavement markings to enhance the system.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Bidding Priority : 1
 Date Originated : 6/13/13
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : E-PASS Sign Replacement # 599-624
 Route Number : Systemwide
 Project Category : Signing and Pavement Markings
 Work Description : Signing
Bidding & Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Bidding																		
Construction																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021				
EAL	71		10	31	31																
Construction	510			255	255																
TOTAL	581	FY 16/17 Total =			581	FY 17/18 Total =			-	FY 18/19 Total =			-	FY 19/20 Total =			-	FY 20/21 Total =			-
		Encumbered =				Encumbered =				Encumbered =				Encumbered =				Encumbered =			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021				
EAL	72		10	31	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Construction	516		-	258	258	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL	588	FY 16/17 Total =			588	FY 17/18 Total =			-	FY 18/19 Total =			-	FY 19/20 Total =			-	FY 20/21 Total =			-
		Encumbered =				Encumbered =				Encumbered =				Encumbered =				Encumbered =			

Remarks: EAL includes design, bidding and construction engineering & inspection.

Project consists of replacing all weathered and faded E-PASS signs approaching mainline plazas and plaza canopies.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 6/20/14
 Last Revision : 5/2/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 2

Project Name/Number : Central Florida Expressway Authority Logo Replacement # -
 Route Number : Systemwide
 Project Category : Signing and Pavement Markings
 Work Description : Signing
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	270							55	55	10	75	75													
Construction	1,500											750	750												
TOTAL	1,770																								
		FY 16/17 Total = -				FY 17/18 Total = 945				FY 18/19 Total = 825				FY 19/20 Total = -				FY 20/21 Total = -							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021				
EAL	282	-	-	-	-	57	57	10	79	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,580	-	-	-	-	-	-	-	790	790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1,862																									
		FY 16/17 Total = -				FY 17/18 Total = 993				FY 18/19 Total = 869				FY 19/20 Total = -				FY 20/21 Total = -								
		Encumbered =				Encumbered =																				

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/13/16
 Last Revision : 4/25/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : SR 408 Guide Sign Replacement # -
 Route Number : SR 408
 Project Category : Signing and Pavement Markings
 Work Description : Signing
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	310			60	60	10	60	60	60																																
Construction	1,500						500	500	500																																
TOTAL	1,810	FY 16/17 Total =				130				FY 17/18 Total =				1,680				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				Encumbered =																																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	318			-	61	61	10	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
Construction	1,548			-	-	-	-	516	516	516	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
TOTAL	1,866	FY 16/17 Total =				132				FY 17/18 Total =				1,734				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				Encumbered =																																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Replace sign panels due to expired sheeting warranty.
 Project Limits SR 50 to I-4 excluding area subject to widening projects, and I-4 to east of Yucatan. Includes LED lights.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/13/16
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : SR 417 Guide Sign Replacement # -
 Route Number : SR 417
 Project Category : Signing and Pavement Markings
 Work Description : Signing
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	310									60	60	10		60	60	60									
Construction	1,500													500	500	500									
TOTAL	1,810																								
		FY 16/17 Total = -				FY 17/18 Total = 60				FY 18/19 Total = 1,190				FY 19/20 Total = 560				FY 20/21 Total = -							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	330																								
Construction	1,613																								
TOTAL	1,944																								
		FY 16/17 Total = -				FY 17/18 Total = 63				FY 18/19 Total = 1,278				FY 19/20 Total = 602				FY 20/21 Total = -							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Replace sign panels due to expired sheeting warranty.
 Project Limits International Drive to Moss Park excluding areas subject to widening projects. Includes LED lights.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 4/23/12
 Last Revision : 4/25/16
 Fund Source : RR
 Length (miles) : 8.1
 From: West SR 50 To: I-4
 Priority : 1

Project Name/Number : SR 408 Resurfacing # -
 Route Number : SR 408
 Project Category : Renewal & Replacement Projects
 Work Description : Mill & Resurface
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021				
EAL	2,633			596	596	10	358	358	358	358																
Construction	23,856						5,964	5,964	5,964	5,964																
TOTAL	26,489	FY 16/17 Total = 1,202				FY 17/18 Total = 25,287				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -								
		Encumbered =				Encumbered =																				

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021					
EAL	2,696			-	604	604	10	370	370	370	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	24,623			-	-	-	-	6,156	6,156	6,156	6,156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	27,319	FY 16/17 Total = 1,218				FY 17/18 Total = 26,102				FY 18/19 Total = -				FY 19/20 Total = -				FY 20/21 Total = -									
		Encumbered =				Encumbered =																					

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Includes replacement of single post signs within resurfacing limits.
 Does not include milling and resurfacing of SR 408 from Good Homes to Hiawassee Road, which will be resurfaced as part of the SR 408 widening project. Allows for I-4 Project limits.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Design Priority : 1
 Date Originated : 4/23/12
 Last Revision : 4/25/16
 Fund Source : RR
 Length (miles) : 8.4
 From: Seidel Road To: CR 535

Project Name/Number : SR 429 Resurfacing # 429-739
 Route Number : SR 429
 Project Category : Renewal & Replacement Projects
 Work Description : Mill & Resurface
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	1,775																																								
Construction	16,056																																								
TOTAL	17,831																																								
		FY 16/17 Total =				5,067				FY 17/18 Total =				12,765				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				812				Encumbered =																															

Cash Flow Inflated (in thousands \$) : Base Inflation rate = 2.6% Construction Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	1,806																																								
Construction	16,461																																								
TOTAL	18,267																																								
		FY 16/17 Total =				5,180				FY 17/18 Total =				13,087				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				817				Encumbered =																															

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Includes replacement of single post signs within resurfacing limits.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/17/15
 Last Revision : 4/25/16
 Fund Source : RR
 Length (miles) : 1.4
 From: SR 436 To: Goldenrod Road

Priority : 1

Project Name/Number : SR 528 Resurfacing # 528-740
 Route Number : SR 528
 Project Category : Renewal & Replacement Projects
 Work Description : Mill & Resurface
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	477			106	106	10	127	127																																	
Construction	4,248					2,124	2,124																																		
TOTAL	4,725	FY 16/17 Total =				2,474				FY 17/18 Total =				2,251				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				Encumbered =																																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	486			107	107	10	131	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
Construction	4,355					2,178	2,178																																		
TOTAL	4,841	FY 16/17 Total =				2,532				FY 17/18 Total =				2,308				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				Encumbered =																																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Includes replacement of single post signs within resurfacing limits.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 7/3/13
 Last Revision : 3/16/16
 Fund Source : RR
 Length (miles) : 1.8
 From: East of I-4 To: Lake Underhill Bridge
 Priority : 1

Project Name/Number : SR 408 Resurfacing # -
 Route Number : SR 408
 Project Category : Renewal & Replacement Projects
 Work Description : Mill & Resurface
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	915																								
Construction	8,223																								
TOTAL	9,138																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				3,327				5,811				-							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	981																								
Construction	8,905																								
TOTAL	9,886																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				3,594				6,293				-							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Includes replacement of single post signs within resurfacing limits.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
Date Originated : 7/3/13
Last Revision : 4/25/16
Fund Source : RR
Length (miles) : 1.8
From: Lake Underhill Bridge To: Yucatan Drive
Priority : 1

Project Name/Number : SR 408 Resurfacing # 408-739
Route Number : SR 408
Project Category : Renewal & Replacement Projects
Work Description : Mill & Resurface
Design & Construction

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Bidding																		
Construction																		
Toll Equipment																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	985		222	222	10	177	177																								
Construction	8,867				2,956	2,956	2,956																								
Toll Equipment	840						840																								
TOTAL	10,693																														
		FY 16/17 Total =			3,586			FY 17/18 Total =			7,106			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	1,002		223	223	10	182	182	182	-	-	-	-	-	-	-	-	-	-	-												
Construction	9,091		-	-	-	3,030	3,030	3,030	-	-	-	-	-	-	-	-	-	-	-												
Toll Equipment	873		-	-	-	-	-	873	-	-	-	-	-	-	-	-	-	-	-												
TOTAL	10,967																														
		FY 16/17 Total =			3,669			FY 17/18 Total =			7,298			FY 18/19 Total =			-			FY 19/20 Total =			-			FY 20/21 Total =			-		
		Encumbered =						Encumbered =																							

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.

Includes replacement of single post signs within resurfacing limits.

Includes creation of 4th AVI lane under existing gantries. (4 lanes of equipment)

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 6/17/14
 Last Revision : 3/16/16
 Fund Source : RR
 Length (miles) : 6.5
 From: SR 429 To: US 441 (East)
 Priority : 1

Project Name/Number : SR 414 Resurfacing # -
 Route Number : SR 414
 Project Category : Renewal & Replacement Projects
 Work Description : Mill & Resurface
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	2,200													332	332	332	10	299	299	299	299				
Construction	19,904																	4,976	4,976	4,976	4,976				
TOTAL	22,104																								
		FY 16/17 Total = -				FY 17/18 Total = -				FY 18/19 Total = 664				FY 19/20 Total = 10,891				FY 20/21 Total = 10,549							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	2,397	-	-	-	-	-	-	-	-	-	-	-	-	357	357	357	11	329	329	329	329	-	-		
Construction	21,979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,495	5,495	5,495	5,495	-	-		
TOTAL	24,376																								
		FY 16/17 Total = -				FY 17/18 Total = -				FY 18/19 Total = 713				FY 19/20 Total = 12,015				FY 20/21 Total = 11,648							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Includes replacement of single post signs within resurfacing limits.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/13/16
 Last Revision : 3/16/16
 Fund Source : RR
 Length (miles) : 4.2
 From: SR 528 To: Curry Ford Road
 Priority : 1

Project Name/Number : SR 417 Resurfacing # -
 Route Number : SR 417
 Project Category : Renewal & Replacement Projects
 Work Description : Mill & Resurface
 Design & Partial Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	1,069																	196	196	196	10	235	235		
Construction	7,845																					3,922	3,922		
TOTAL	8,914	FY 16/17 Total = -				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = 392				FY 20/21 Total = 8,522							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	1,192																	216	216	216	11	266	266		
Construction	8,883																					4,442	4,442		
TOTAL	10,075	FY 16/17 Total = -				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = 432				FY 20/21 Total = 9,643							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Includes replacement of single post signs within resurfacing limits.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/13/16
 Last Revision : 3/16/16
 Fund Source : RR
 Length (miles) : 1.6
 From: SR 408 To: SR 50
 Priority : 1

Project Name/Number : SR 417 Resurfacing # -
 Route Number : SR 417
 Project Category : Renewal & Replacement Projects
 Work Description : Mill & Resurface
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	500																	111	111	10	89	89	89		
Construction	4,459																				1,486	1,486	1,486		
TOTAL	4,960	FY 16/17 Total = -				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = 223				FY 20/21 Total = 4,737							
Encumbered =																									

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	558	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	123	123	11	100	100	100		
Construction	5,018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,673	1,673	1,673		
TOTAL	5,576	FY 16/17 Total = -				FY 17/18 Total = -				FY 18/19 Total = -				FY 19/20 Total = 246				FY 20/21 Total = 5,330							
Encumbered =																									

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 Includes replacement of single post signs within resurfacing limits.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 5/10/04
 Last Revision : 3/16/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : Miscellaneous Resurfacing Projects # -
 Route Number : Systemwide
 Project Category : Renewal & Replacement Projects
 Work Description : Mill & Resurface
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	200			15	10	15	15	10	15	10	15	15	10	15	15	10	15	10	15	15	10	15	15	10	15
Construction	1,250					250					250				250				250				250		
TOTAL	1,450	FY 16/17 Total = 290				FY 17/18 Total = 290				FY 18/19 Total = 290				FY 19/20 Total = 290				FY 20/21 Total = 290							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	200			-	15	10	15	-	15	10	15	-	15	10	15	-	15	10	15	-	15	10	15	-	15
Construction	1,250			-	-	-	250	-	-	-	250	-	-	-	250	-	-	-	250	-	-	-	250	-	-
TOTAL	1,450	FY 16/17 Total = 290				FY 17/18 Total = 290				FY 18/19 Total = 290				FY 19/20 Total = 290				FY 20/21 Total = 290							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 9/4/12
 Last Revision : 3/16/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -

Project Name/Number : Miscellaneous Drainage and Stormwater Projects # -
 Route Number : Systemwide
 Project Category : Renewal & Replacement Projects
 Work Description : Drainage and Stormwater
Design & Construction
(Projects to be determined)

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding/Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	300			15	15			15	15			15	15			15	15			15	15			15	15
Construction	1,250							125	125			125	125			125	125			125	125			125	125
TOTAL	1,550	FY 16/17 Total = 310				FY 17/18 Total = 310				FY 18/19 Total = 310				FY 19/20 Total = 310				FY 20/21 Total = 310							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	300			15	15			15	15			15	15			15	15			15	15			15	15
Construction	1,250			-	-			125	125			-	-			125	125			-	-			125	125
TOTAL	1,550	FY 16/17 Total = 310				FY 17/18 Total = 310				FY 18/19 Total = 310				FY 19/20 Total = 310				FY 20/21 Total = 310							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Design Priority : 1
 Date Originated : 4/1/01
 Last Revision : 5/3/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Coatings # -
 Route Number : Systemwide
 Project Category : Renewal & Replacement Projects
 Work Description : Painting & Inspections
Design & Construction
 (Projects to be determined)

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Bidding & Construction																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	1,570		210	80	80	80	150	65	65	150	65	65	150	65	65	150	65	65	150	65											
Construction	9,520			1,000	1,000	1,000		815	815		815	815		815	815		815	815		815											
TOTAL	11,090																														
		FY 16/17 Total =			3,450			FY 17/18 Total =			1,910			FY 18/19 Total =			1,910			FY 19/20 Total =			1,910			FY 20/21 Total =			1,910		
		Encumbered =						Encumbered =																							

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021														
EAL	1,570		210	80	80	80	150	65	65	-	150	65	65	-	150	65	65	-	150	65	65	-	150	65							
Construction	9,520		-	1,000	1,000	1,000	-	815	815	-	-	815	815	-	-	815	815	-	-	815	815	-	-	815							
TOTAL	11,090																														
		FY 16/17 Total =			3,450			FY 17/18 Total =			1,910			FY 18/19 Total =			1,910			FY 19/20 Total =			1,910			FY 20/21 Total =			1,910		
		Encumbered =						Encumbered =																							

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
 Includes Project 599-734 on SR 408.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 4/1/97
 Last Revision : 3/16/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : Systemwide Fence Projects # -
 Route Number : Systemwide
 Project Category : Renewal & Replacement Projects
 Work Description : Fencing Replacement
 Construction
 (Projects to be determined)

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	100				20				20				20				20				20				20
Construction	1,150				230				230				230				230				230				230
TOTAL	1,250	FY 16/17 Total = 250				FY 17/18 Total = 250				FY 18/19 Total = 250				FY 19/20 Total = 250				FY 20/21 Total = 250							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021							
EAL	100			-	20			-	-	-	20			-	-	-	20			-	-	-	20			-	-	-	20
Construction	1,150			-	230			-	-	-	230			-	-	-	230			-	-	-	230			-	-	-	230
TOTAL	1,250	FY 16/17 Total = 250				FY 17/18 Total = 250				FY 18/19 Total = 250				FY 19/20 Total = 250				FY 20/21 Total = 250											
		Encumbered =				Encumbered =																							

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
 Includes clearing of fence lines.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity Priority : 1
 Date Originated : 4/1/97
 Last Revision : 3/13/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Bridge Joint & Approach Slab Projects # -
 Route Number : Systemwide
 Project Category : Renewal & Replacement Projects
 Work Description : Concrete Pavement Projects
Design & Construction
(Projects to be determined)

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	75			7	8			7	8			7	8			7	8			7	8			7	8
Construction	425				85				85				85				85				85				85
TOTAL	500																								
		FY 16/17 Total = 100				FY 17/18 Total = 100				FY 18/19 Total = 100				FY 19/20 Total = 100				FY 20/21 Total = 100							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	75			-	7	8			-	-	7	8			-	-	7	8			-	-	7	8	
Construction	425			-	-	85			-	-	-	85			-	-	-	85			-	-	-	85	
TOTAL	500																								
		FY 16/17 Total = 100				FY 17/18 Total = 100				FY 18/19 Total = 100				FY 19/20 Total = 100				FY 20/21 Total = 100							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 4/1/99
 Last Revision : 5/2/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -
 Priority : 1

Project Name/Number : Systemwide Reflective Pavement Markers & Thermo Striping # -
 Route Number : Systemwide
 Project Category : Renewal & Replacement Projects
 Work Description : RPM Replacement & Striping
 Design & Construction
 (Projects to be determined)

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	205			15	10	10	20	10	15	25	10	15	15	10	10	20	10	10	20	10	10				
Construction	580				95							145							100				110		
TOTAL	785	FY 16/17 Total = 130				FY 17/18 Total = 175				FY 18/19 Total = 195				FY 19/20 Total = 135				FY 20/21 Total = 150							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	205			-	15	10	10	-	20	10	15	-	25	10	15	-	15	10	10	-	20	10	10		
Construction	580			-	-	-	95	-	-	-	130	-	-	-	145	-	-	-	100	-	-	-	110		
TOTAL	785	FY 16/17 Total = 130				FY 17/18 Total = 175				FY 18/19 Total = 195				FY 19/20 Total = 135				FY 20/21 Total = 150							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
 Includes RPM replacements every 3 years and thermoplastic striping replacement every 6 years.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 5/26/12
 Last Revision : 3/16/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : Systemwide Trailblazer Upgrades # -
 Route Number : Systemwide
 Project Category : Signing and Pavement Markings
 Work Description : Signing Upgrades
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	710			70	10	40	40	70	10	40	40	70	10	40	40	100	10	60	60						
Construction	4,500					500	500			500	500			500	500			750	750						
TOTAL	5,210	FY 16/17 Total = 620				FY 17/18 Total = 1,160				FY 18/19 Total = 1,160				FY 19/20 Total = 1,460				FY 20/21 Total = 810							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5%

FY 2018 2.7%

FY 2019 2.8%

FY 2020 2.6%

FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	710			-	70	10	40	40	70	10	40	40	70	10	40	40	100	10	60	60	-	-	-		
Construction	4,500			-	-	-	500	500	-	-	500	500	-	-	500	500	-	-	750	750	-	-	-		
TOTAL	5,210	FY 16/17 Total = 620				FY 17/18 Total = 1,160				FY 18/19 Total = 1,160				FY 19/20 Total = 1,460				FY 20/21 Total = 810							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post-design services.

No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Includes SR 417 from SR 528 to County Line in 2017; SR 429 from Seidel Road to CR 535 in 2018; and SR 414 and SR 528 from SR 436 to SR 520 in 2019.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 3/18/08
 Last Revision : 5/3/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -

Priority : 1

Project Name/Number : Systemwide Signing Replacement Projects # -
 Route Number : Systemwide
 Project Category : Signing and Pavement Markings
 Work Description : Signing Improvements
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Design																								
Bid																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	980			70	70	10	50	50	50	65	65	10	50	50	50	90	90	10	67	67	67				
Construction	5,030						510	510	510				500	500	500				665	665	670				
TOTAL	6,010	FY 16/17 Total = 150				FY 17/18 Total = 1,745				FY 18/19 Total = 1,175				FY 19/20 Total = 740				FY 20/21 Total = 2,200							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	980			-	70	70	10	50	50	50	65	65	10	50	50	50	90	90	10	67	67	67	-		
Construction	5,030			-	-	-	-	510	510	510	-	-	-	500	500	500	-	-	-	665	665	670	-		
TOTAL	6,010	FY 16/17 Total = 150				FY 17/18 Total = 1,745				FY 18/19 Total = 1,175				FY 19/20 Total = 740				FY 20/21 Total = 2,200							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding, construction engineering & inspection and post design services. No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.
 Includes fluorescent sign replacement on SR 414 in FYs 17 and 18 (design and construction), and on SR 429/414 in FY 20.
 Guide Sign Improvement Projects include LED lights.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : Construction Priority : 1
 Date Originated : 6/27/13
 Last Revision : 4/25/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -

Project Name/Number : Single Line DMS Upgrade # 599-525
 Route Number : Systemwide
 Project Category : ITS
 Work Description : Upgrade DMS
 Design & Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021																			
EAL	660			165	165	165	165																																		
Construction	5,500			1,375	1,375	1,375	1,375																																		
TOTAL	6,160																																								
		FY 16/17 Total =				6,160				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-				FY 20/21 Total =				-			
		Encumbered =				6,160				Encumbered =																															

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021											
EAL	660			165	165	165	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Construction	5,500			1,375	1,375	1,375	1,375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
TOTAL	6,160																																
		FY 16/17 Total =				6,160				FY 17/18 Total =				-				FY 18/19 Total =				-				FY 19/20 Total =				-			
		Encumbered =				6,160				Encumbered =																							

Remarks: EAL includes construction engineering & inspection and post-design services.

Upgrade single-line express lane DMS signs to improve reliability and reduce maintenance cost.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 1
 Date Originated : 4/15/10
 Last Revision : 3/16/16
 Fund Source : RR
 Length (miles) : -
 From: - To: -

Project Name/Number : Traffic Management CCTV Upgrade # -
 Route Number : Systemwide
 Project Category : ITS
 Work Description : Migration to IP Traffic Management Cameras
Implementation

Project Schedule :

Activity	2016		2017		2018		2019		2020		2021	
Implementation												

Project Cost (in thousands \$) :

Activity	Totals \$	2016		2017		2018		2019		2020		2021	
Implementation	600		150		150		150		150				
TOTAL	600	FY 16/17 Total = 150		FY 17/18 Total = 150		FY 18/19 Total = 150		FY 19/20 Total = 150		FY 20/21 Total = -			
		Encumbered =		Encumbered =									

Cash Flow Inflated (in thousands \$) :

Base Inflation Rate = 2.6%

Const. Inflation Rates =

FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016		2017		2018		2019		2020		2021	
Implementation	628		151	-	-	-	155	-	-	-	159	-	-
TOTAL	628	FY 16/17 Total = 151		FY 17/18 Total = 155		FY 18/19 Total = 159		FY 19/20 Total = 163		FY 20/21 Total = -			
		Encumbered =		Encumbered =									

Remarks: Migration of existing analog traffic management CCTV cameras to IP cameras, which will result in more cost-effective maintenance.

Funds will cover purchase of approximately 36 cameras per year (over 5 years) to upgrade existing cameras as they approach end of life.

Includes purchase of 24-port layer 2 switches for field cabinets. Includes Project 599-528.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : On-going Priority : 2
 Date Originated : 3/1/95
 Last Revision : 3/16/16
 Fund Source : SP
 Length (miles) : -
 From: - To: -

Project Name/Number : Systemwide Discretionary Landscape Projects # -
 Route Number : Systemwide
 Project Category : Landscape Projects
 Work Description : Landscaping
Design & Construction
5 yr. Landscaping Program

Project Schedule :

Activity	2016			2017			2018			2019			2020			2021		
Design																		
Construction																		
Maintenance																		

Project Cost (in thousands \$) :

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	850		70	50	50	70	50	50	70	50	50	70	50	50	70	50	50	70	50
Construction	6,500			650	650		650	650		650	650		650	650		650	650		650
Maintenance	150		7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7
TOTAL	7,500	FY 16/17 Total = 1,500			FY 17/18 Total = 1,500			FY 18/19 Total = 1,500			FY 19/20 Total = 1,500			FY 20/21 Total = 1,500					
		Encumbered =			Encumbered =														

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016			2017			2018			2019			2020			2021		
EAL	850		70	50	50	-	70	50	-	70	50	-	70	50	-	70	50	-	70
Construction	6,500		-	650	650	-	-	650	-	-	650	-	-	650	-	-	650	-	-
Maintenance	150		7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7
TOTAL	7,500	FY 16/17 Total = 1,500			FY 17/18 Total = 1,500			FY 18/19 Total = 1,500			FY 19/20 Total = 1,500			FY 20/21 Total = 1,500					
		Encumbered =			Encumbered =														

Remarks: EAL includes design, permitting, bidding, construction engineering & inspection and post-design services.
 No inflation has been added. Annual escalation assumed to be included in total dollars allocated per fiscal year.

Central Florida Expressway Authority
Five-Year Work Plan

Project Information

Current Status : No Activity
 Date Originated : 5/10/04
 Last Revision : 3/13/16
 Fund Source : NSP
 Length (miles) : 0.9
 From: Lee Vista To: Narcoossee Road
 Priority : 1

Project Name/Number : Goldenrod Road Resurfacing # 800-903E
 Route Number : SR 551
 Project Category : Non-System Projects
 Work Description : Mill & Resurface
 Construction

Project Schedule :

Activity	2016				2017				2018				2019				2020				2021			
Bidding																								
Construction																								

Project Cost (in thousands \$) :

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	102							10	46	46															
Construction	922								461	461															
TOTAL	1,024																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				1,024				-				-							
		Encumbered =				Encumbered =																			

Cash Flow Inflated (in thousands \$) : Base Inflation Rate = 2.6% Const. Inflation Rates = FY 2017 2.5% FY 2018 2.7% FY 2019 2.8% FY 2020 2.6% FY 2021 2.5%

Activity	Totals \$	2016				2017				2018				2019				2020				2021			
EAL	106			-	-	-	-	10	48	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	958			-	-	-	-	-	479	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1,064																								
		FY 16/17 Total =				FY 17/18 Total =				FY 18/19 Total =				FY 19/20 Total =				FY 20/21 Total =							
		-				-				1,064				-				-							
		Encumbered =				Encumbered =																			

Remarks: EAL includes design, bidding and construction engineering & inspection.

Estimated construction cost for \$922 thousand (2016\$) from Lee Vista to Narcoossee Road.

Design completed with 800-903D. Construction of Section 800-903D, from Cargo Road to Lee Vista, which included Friction Course Repair on SR 528 at the SR 528/Goldenrod Road Interchange is complete.