April 2024

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Fiscal Year 2023

General Traffic and Earnings

Consultant's Annual Report

PREPARED BY





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Chapter 1 Introduction and System Overview



Introduction and System Overview

1.1 Introduction

Prepared for the Central Florida Expressway Authority (CFX), this annual report contains a summary of the Fiscal Year (FY) 2023 traffic and revenue (T&R) performance characteristics and 30-year forecasts of T&R for seven of the toll facilities that constitute the CFX System (the "System"). The eighth facility, S.R. 451, is not reported because it is non-tolled and there are no associated plaza groups for the facility. This report also includes a brief discussion of the external factors that influence future T&R. Any changes in data sources or methodologies that have occurred since the last report are noted in the text.

The purposes of this report are to describe current T&R trends for the System, to summarize the forecasting methodology used to develop the future estimates and to provide both short-term and long-term forecasts of T&R for the System. This report contains a description of historical T&R from FY 2003 through FY 2023, along with projected T&R for FY 2024 through FY 2053. CFX's fiscal year ends on June 30th and begins on July 1st of the preceding calendar year. Future year traffic projections are also presented as Average Weekday Traffic (AWDT).

This chapter contains an overview of CFX's System, a description of the current toll rate schedule, a comparison of CFX toll rates with other toll facilities across the nation, a summary of historical annual transactions and revenue with percentages by facility, monthly transactions and revenue, historical electronic toll collection (ETC) usage, recent events that have an impact on system T&R, a summary of the forecasting methodology and the T&R estimates over the next 30 years for the System.

Chapter 2 contains a review of socioeconomic indicators (historical trends and current conditions). Chapters 3 through 9 contain summaries of T&R performance and forecasts for each of CFX's toll facilities. Traffic profiles for each facility are included in the Appendix.

1.2 System Description

The current CFX System consists of the following seven toll facilities:

- S.R. 528 Martin B. Andersen Beachline Expressway
- S.R. 408 Spessard L. Holland East-West Expressway
- S.R. 417 Central Florida GreeneWay
- S.R. 429 Daniel Webster Western Beltway/Wekiva Parkway
- S.R. 414 John Land Apopka Expressway
- S.R. 453
- S.R. 538 Poinciana Parkway

A location map of the eight facilities and the region they serve can be found in **Figure 1-1**, Central Florida Expressway System. S.R. 451 is the Western Beltway Connector Road.

The System as it exists today is the result of many improvement and expansion projects, constructed over the 60-year period between 1963 and 2023. The first facility is the 23-mile S.R. 528 Beachline Expressway, which opened to traffic in 1967. Presently, this facility extends from the S.R. 482/Sand Lake Road/Boggy Creek Road interchange on the west end to S.R. 520 on the eastern end, connecting Orlando to the Space Coast. Until recently it had three mainline toll plazas: Airport Main, Beachline Main, and Dallas Main, and two pairs of ramp plazas. In March 2016, the Airport Main Plaza was removed, and toll collection was transferred to Florida Turnpike Enterprise's (FTE) Beachline West Main Plaza. New ramp plazas were also installed at the Conway Road and Boggy Creek Road Interchanges with tolls collected to and from the east. FTE owns and operates the western eight miles of S.R. 528 from Boggy Creek Road to Interstate 4 (I-4) and the eastern end from S.R. 520 to S.R. 407 and U.S. 1 in Brevard County.

The second facility is S.R. 408 Spessard L. Holland East-West Expressway, which first opened to traffic in 1973. This facility currently runs 22 miles from the Florida's Turnpike/Old Winter Garden Road overpass on the western end to the S.R. 50/East Colonial Drive interchange on the eastern end. S.R. 408 has four mainline toll plazas: Hiawassee Main, Pine Hills Main, Conway Main, and Dean Main, along with ten pairs of ramp plazas plus two single ramp plazas.

The next facility is S.R. 417 Central Florida GreeneWay, which first opened to traffic in 1988. S.R. 417 is the eastern/southern beltway around Orlando with the CFX portion extending 33 miles from International Drive on the southern end to the Aloma Avenue/Seminole County Line on the northern end. It has four mainline plazas: John Young Main, Boggy Creek Main, Curry Ford Main, and University Main, along with 12 pairs of ramp plazas. FTE owns and operates toll facilities on S.R. 417 on either side of the CFX toll facility completing the beltway.

The fourth facility is S.R. 429 Western Beltway/Wekiva Parkway, which as its name suggests is the western beltway around Orlando. S.R. 429 first opened to traffic in 2000. The CFX portion of S.R. 429 extends 31 miles from Seidel Road in west Orange County on the southern end to Mt. Plymouth Road on the northern end. Of the 31 miles, three miles are part of a dual route with S.R. 414 (John Land Apopka Expressway). Until recently S.R. 429 had two mainline toll plazas: Forest Lake Main and Independence Main, along with five pairs of ramp plazas. In FY 2018, the Ponkan Main Plaza and Mt. Plymouth Main Plaza opened to traffic as all-electronic toll (AET) collection facilities. The portion of S.R. 429 with the Ponkan and Mt. Plymouth Main Plazas was developed and constructed as the Wekiva Parkway. The 2-mile Western Beltway Connector Road (S.R. 451) is the former S.R. 429 connection to U.S. 441 extending from S.R. 414 on the southern end to U.S. 441 on the northern end. FTE owns and operates toll facilities on S.R. 429 from Seidel Road to I-4 in Osceola County and operates the portion from Mt. Plymouth north into Seminole County, which is owned by the Florida Department of Transportation (FDOT). This portion of the Western Beltway is mostly opened to traffic and will be completed with a connection in the north to I-4 and S.R. 417 in 2024.

Legend Existing FDOT System Existing CFX System Lake Monroe ■■■ Future CFX System 453 Existing FTE System 46 Other Tolled Expressways CFX Mainline Toll Plazas Mt. Plymouth Lake Jesup Ponkan **17**} 451 417 429 414 Coral Hills Lake Seminole County Apopka orest Lake **Orange County** University 429 Hiawassee 50 [50] 408 Conrory (520) **Curry Ford** Independence Goldenrod Rd. Extension Airport See Inset Below **Dallas** Beachline 429 **Boggy Creek Orange County** Osceola County East Lake Tohopekaliga Inset 192 50 405 Marigold 528 538 Lake Tohopekaliga 528 Koa (520) Cocoa Atlantic Ocean

Figure 1-1 Central Florida Expressway System

The fifth facility, which opened to traffic in 2009, is the 9-mile S.R. 414 John Land Apopka Expressway. Of the nine miles, three are part of a dual route with S.R. 429. S.R. 414 extends Maitland Boulevard from U.S. 441 westerly to S.R. 429/Western Beltway, to relieve congestion on U.S. 441. The Apopka Expressway has one mainline plaza, Coral Hills Main, and two pairs of ramp plazas.

The sixth facility, which opened to traffic in 2018, is the 2-mile portion of the S.R. 453 project locally known as the Wekiva Parkway or the Mount Dora Connector. S.R. 453 provides a connection from S.R. 429 northwest to Mount Dora via S.R. 46 in Lake County. S.R. 453 has one mainline plaza, Coronado Main, and no ramp plazas.

The seventh facility, S.R. 538 Poinciana Parkway, is a 7-mile toll facility built by the Osceola County Expressway Authority (OCX) in FY 2016 and operated by CFX as a non-system facility until FY 2019. S.R. 538 opened to traffic in April of 2016 and in December of 2018 the CFX Board unanimously supported transitioning control of the facility from OCX to CFX. The facility was acquired by CFX as a System facility as of December 2019. This facility extends from Cypress Parkway in Poinciana north to the end of the bridge at Ronald Reagan Parkway/Kinney Harmon Road. S.R. 538 has two mainline toll plazas: Marigold Main and Koa Main, with no ramp plazas.

Goldenrod Road Extension is a 2-mile toll facility built and operated by CFX, but not part of the CFX System. Opened to traffic in 2003, this toll facility extends Goldenrod Road from S.R. 15/Narcoossee Road southerly to Heintzelman Boulevard and serves as a reliever to S.R. 15/Narcoossee Road. The facility has an interchange with S.R. 528 and one mainline toll plaza, the Goldenrod Main.

Table 1-1 is a summary of CFX System facilities with the corresponding lengths and opening years.

Table 1-1 CFX System Facilities

CFX System Current	Length (miles)	Year
S.R. 528 - Martin Andersen Beachline Expressway	23	1967
S.R. 408 - Spessard Holland East West Expressway	22	1973
S.R. 417 - Central Florida Greeneway	32	1988
S.R. 429 - Daniel Webster Western Beltway	31	2000
S.R. 414 - John Land Apopka Expressway	9	2009
S.R. 451 - Western Beltway Connector Road	2	2012
S.R. 538 - Poinciana Parkway	7	2016
S.R. 453	2	2018
Current System Total ^A	125	
CFX Non-System		
Goldenrod Road Extension	2	2003

Notes:

A - Of the 31 miles on S.R. 429 and nine miles on S.R. 414, three are part of a dual route between the two expressways. The three miles are only included once in the calculation of CFX System total miles.

1.2.1 LAKE/ORANGE EXPRESSWAY (S.R. 516)

Identified as a system expansion project need in the last four consecutive Central Florida Expressway Authority (CFX) master plans, the Lake/Orange Expressway (LOE) is a proposed 5-mile toll facility providing needed east-west connectivity in south Lake County and west Orange County. A strategic transportation investment in Central Florida, the future expressway will provide a nonstop access route linking heavily traveled U.S. 27 to S.R. 429.

On October 10, 2019, the CFX Board unanimously approved the Lake/Orange County Connector Project Development and Environment (PD&E) Study and advanced the project to production phases that include design and construction. The PD&E study area fell within the Lake County Wellness Way Area Plan and the Orange County Horizon West Special Planning Area, with Wellness Way anticipated to generate over 26,000 jobs and Horizon West growing to a projected workforce of more than 27,000 employees.

The Design Phase began in late 2020 and was divided into three design segments as shown in Figure 1-2. Segment 1 begins at U.S. 27 and ends at Cook Road. This segment includes a fly-under system interchange at U.S. 27, the realignment of U.S. 27 to avoid impacts to Lake Louisa State Park and an adjacent multi-use trail. Segment 2 beings at Cook Road and ends at the county line and includes a new local access full interchange at the future CR 455 Extension. Segment 3 starts at the county line and extends to S.R. 429 and includes a new local access partial interchange at Valencia Parkway and a full access system to system interchange at S.R. 429. Construction is expected to begin in FY 2024.

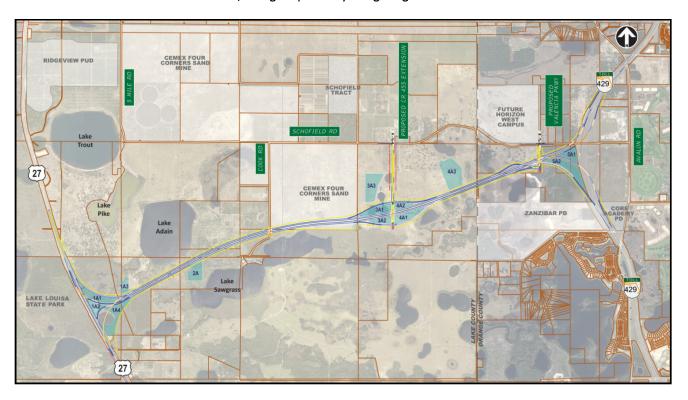


Figure 1-2
Lake/Orange Expressway Design Segments

1.3 Toll Rates

On February 26, 2009, the CFX Board approved a series of System-wide toll rate adjustments. The toll rate policy included a one-time adjustment and a series of increases to keep pace with inflation. The policy stated that all tolls be adjusted to reflect the higher of either the combined annual increases to the Consumer Price Index for All Urban Consumers (CPI-U) in the South or three percent per year (applied linearly, i.e., a 15 percent increase on the original toll every five years). The one-time adjustment occurred on April 5, 2009, in which toll rates at all mainline plazas (except the recently opened Coral Hills) and most toll ramp locations increased by \$0.25. The purpose of the rate increase was to counterbalance declining System revenues due to the Great Recession, to stabilize the fiscal integrity of CFX, and to fortify the ability to improve and expand the System in the future.

Then on July 1, 2012 (the beginning of FY 2013), CFX implemented a rate differential between cash and electronic customers. Customers who paid tolls with ETC now paid a lower toll rate than cash customers. The rate differential encouraged participation in the ETC program, thereby helping CFX maintain lower toll collection costs. Also, as previously explained, CFX implemented the first toll rate adjustment to keep pace with inflation.

On February 9, 2017, the Board voted unanimously to eliminate the planned 15 percent toll rate adjustment scheduled for July 1, 2017 (FY 2018). Instead, a new "Customer First" toll policy was adopted, which delayed the next toll rate adjustment until July 1, 2018 (FY 2019). The Board cited the agency's strong financial health in recent years as the primary reason for this decision. Going forward customers will see an annual increase in tolls based on CPI (with a floor of 1.5%), which is lower and more gradual than the original 15 percent increase every five years. The FY 2023 toll rates are presented in **Table 1-2**. The rates shown in this table come from the fifth toll rate adjustment under the new toll policy at a CPI adjustment of 5.076 percent. In accordance with CFX's Toll Policy, the next toll rate adjustment was implemented on July 1, 2023 (FY 2024). Additional toll rate adjustments are assumed for every subsequent year.

FY 2021 was also the first year with the new Pay By Plate (PBP) toll rate, adopted by the CFX Board on October 10, 2019, and implemented on July 1, 2020. The PBP toll rate was set to twice the ETC toll rate at all locations and is adjusted each year as the electronic rate is adjusted in compliance with the Customer First toll rate policy. Except for cashless toll locations, this was a significant change in toll. The proportion of tolls paid through the PBP process had been on the rise since 2020 but has stabilized over the past few years.

There have been several changes to the toll rate schedule due to additions and deletions of main and ramp plazas, including the addition of the Dallas Main plaza and Dallas ramp plazas in March 2012, the addition of C.R. 437A ramp plazas in January 2013, the removal of the Valencia College Lane ramp plazas in March 2013, the addition of the Schofield Road ramps on S.R. 429 in May 2015, the removal of the Airport Main plaza and the addition of ramp plazas at Boggy Creek Road and Conway Road in March 2016, the opening of the SR 429/Wekiva Parkway in April 2018, the purchase of the Poinciana Parkway in Dec 2018, and the addition of the Stoneybrook West Ramps in October 2020. These changes to toll plazas on the System are reflected in the table.

Table 1-2 CFX System Toll Rates, FY 2023 (as of July 1, 2022)

S.R. 528 Boggy Creek Road/McCoy Road Conway Road/Tradeport Drive Beachline Main Plaza Innovation Way Dallas Boulevard Dallas Main Plaza Beachline Main Plaza Innovation Way Dallas Boulevard Dallas Main Plaza Beachline Main Plaza Hiawassee Main Plaza Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$1.23 \$1.23 \$0.98 \$0.66 \$0.57 \$0.57 \$0.28 \$0.92 \$0.62 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.66 \$0.67	\$1.23 \$1.23 \$1.94 \$0.66 \$0.57 \$0.85 \$0.28 \$1.86 \$0.62 \$1.86 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$0.92 \$0.62 \$0.92	\$1.23 \$1.23 \$2.26 \$0.66 \$0.57 \$1.13 \$0.28 \$2.15 \$0.62 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92	\$1.23 \$1.23 \$2.88 \$0.66 \$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$0.57 \$1.13	\$1.23 \$1.23 \$2.88 \$0.66 \$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92	\$1.50 \$1.50 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75	\$1.50 \$1.50 \$2.25 \$0.75 \$0.75 \$1.00 \$0.50 \$2.25 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$1.25 \$1.25 \$1.25 \$0.75	\$1.50 \$2.50 \$0.75 \$0.75 \$1.25 \$0.75 \$1.25 \$0.50 \$2.50 \$1.25 \$0.75	\$1.50 \$1.50 \$3.25 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75 \$3.25 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75	\$1.50 \$1.50 \$3.25 \$0.75 \$0.75 \$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75	\$2.46 \$1.96 \$1.32 \$1.14 \$1.24	\$2.46 \$2.46 \$3.88 \$1.32 \$1.14 \$1.70 \$0.56 \$3.72 \$1.24 \$3.72 \$1.84 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84	\$2.46 \$2.46 \$4.52 \$1.14 \$2.26 \$0.56 \$4.30 \$1.24 \$4.30 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84 \$2.46	\$2.46 \$2.46 \$5.76 \$1.32 \$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$2.46 \$2.46 \$5.76 \$1.32 \$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.55 \$1.84
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Conway Road/Tradeport Drive Beachline Main Plaza Innovation Way Dallas Boulevard Dallas Main Plaza ⁸ S.R. 408 Good Homes Road Hiawassee Main Plaza Hiawassee Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$1.23 \$0.98 \$0.66 \$0.57 \$0.57 \$0.57 \$0.92 \$0.62 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92	\$1.23 \$1.94 \$0.66 \$0.57 \$0.85 \$0.28 \$1.86 \$0.62 \$1.86 \$0.92 \$0.62	\$1.23 \$2.26 \$0.66 \$0.57 \$1.13 \$0.28 \$2.15 \$0.62 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62	\$1.23 \$2.88 \$0.66 \$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92	\$1.23 \$2.88 \$0.66 \$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$0.62	\$1.50 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75	\$1.50 \$2.25 \$0.75 \$0.75 \$1.00 \$0.50 \$2.25 \$0.75 \$2.25 \$1.25 \$1.25 \$0.75	\$1.50 \$2.50 \$0.75 \$0.75 \$1.25 \$0.50 \$2.50 \$1.25 \$1.25 \$0.75	\$1.50 \$3.25 \$0.75 \$0.75 \$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$0.75	\$1.50 \$3.25 \$0.75 \$0.75 \$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75	\$2.46 \$1.96 \$1.32 \$1.14 \$1.14 \$0.56 \$1.84 \$1.24 \$2.46 \$1.84 \$1.24	\$2.46 \$3.88 \$1.32 \$1.14 \$1.70 \$0.56 \$3.72 \$1.24 \$3.72 \$1.84 \$1.24	\$2.46 \$4.52 \$1.14 \$2.26 \$0.56 \$4.30 \$1.24 \$4.30 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$2.46 \$4.30 \$1.84	\$2.46 \$5.76 \$1.32 \$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24	\$2.46 \$5.76 \$1.32 \$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56
Beachline Main Plaza Innovation Way Dallas Boulevard Dallas Main Plaza Bood Homes Road Hiawassee Main Plaza Hiawassee Main Plaza Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.98 \$0.66 \$0.57 \$0.28 \$0.92 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92	\$1.94 \$0.66 \$0.57 \$0.85 \$0.85 \$0.85 \$1.86 \$0.62 \$1.86 \$0.92 \$0.62	\$2.26 \$0.66 \$0.57 \$1.13 \$0.28 \$2.15 \$0.62 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$2.15 \$0.62 \$2.15 \$0.62	\$2.88 \$0.66 \$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.92 \$0.62	\$2.88 \$0.66 \$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$1.23 \$2.78 \$0.92 \$1.23 \$2.78	\$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$0.50 \$1.25 \$0.75 \$1.50 \$1.25 \$0.75 \$0.75 \$0.75 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.25 \$1.50 \$1.25 \$1.50 \$1.25 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75	\$2.25 \$0.75 \$0.75 \$1.00 \$0.50 \$2.25 \$0.75 \$2.25 \$1.25 \$1.25 \$0.75	\$2.50 \$0.75 \$0.75 \$1.25 \$0.50 \$2.50 \$0.75 \$2.50 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$0.75 \$1.25 \$0.75 \$0.75 \$1.25 \$0.75	\$3.25 \$0.75 \$0.75 \$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$0.75 \$0	\$3.25 \$0.75 \$0.75 \$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0	\$1.96 \$1.32 \$1.14 \$1.14 \$1.15 \$1.14 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.25 \$1.24 \$1.25 \$1.25 \$1.26 \$1.27	\$3.88 \$1.32 \$1.14 \$1.70 \$0.56 \$3.72 \$1.24 \$3.72 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$3.72	\$4.52 \$1.32 \$1.14 \$2.26 \$0.56 \$4.30 \$1.24 \$4.30 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24	\$5.76 \$1.32 \$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24	\$5.76 \$1.32 \$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56
Innovation Way Dallas Boulevard Dallas Main Plaza B S.R. 408 Good Homes Road Hiawassee Main Plaza Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Road Lake Nona Boulevard Narcoossee Road	\$0.66 \$0.57 \$0.57 \$0.28 \$0.92 \$0.62 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$0.92 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$0.92 \$0.62	\$0.66 \$0.57 \$0.85 \$0.28 \$1.86 \$0.62 \$1.86 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$0.92 \$0.62	\$0.66 \$0.57 \$1.13 \$0.28 \$2.15 \$0.62 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$0.92 \$0.92 \$0.62 \$0.92	\$0.66 \$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$0.92 \$1.23 \$2.78	\$0.66 \$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62	\$0.75 \$0.75 \$0.75 \$0.50 \$1.25 \$0.75 \$1.50 \$1.25 \$0.75 \$0.75 \$0.75 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50	\$0.75 \$0.75 \$1.00 \$0.50 \$2.25 \$0.75 \$2.25 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$1.25 \$1.25 \$1.25 \$0.75	\$0.75 \$0.75 \$1.25 \$0.50 \$2.50 \$0.75 \$2.50 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$0.75	\$0.75 \$0.75 \$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25	\$0.75 \$0.75 \$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$0.75	\$1.32 \$1.14 \$1.14 \$0.56 \$1.84 \$1.24 \$2.46 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24	\$1.32 \$1.14 \$1.70 \$0.56 \$3.72 \$1.24 \$3.72 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46 \$3.72 \$1.84	\$1.32 \$1.14 \$2.26 \$0.56 \$4.30 \$1.24 \$4.30 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$2.46 \$4.30 \$1.84	\$1.32 \$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$1.32 \$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$5.56
Dallas Boulevard Dallas Main Plaza B S.R. 408 Good Homes Road Hiawassee Main Plaza Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.57 \$0.28 \$0.92 \$0.62 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.93 \$0.94 \$0.95	\$0.57 \$0.85 \$0.28 \$1.86 \$0.62 \$1.86 \$0.92 \$0.62 \$0.92 \$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$1.86 \$0.62 \$1.86 \$0.62	\$0.57 \$1.13 \$0.28 \$2.15 \$0.62 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62	\$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.57 \$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$1.23 \$2.78	\$0.75 \$0.50 \$1.25 \$0.75 \$1.50 \$1.25 \$0.75 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.25	\$0.75 \$1.00 \$0.50 \$2.25 \$0.75 \$2.25 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$0.75	\$0.75 \$1.25 \$0.50 \$2.50 \$0.75 \$2.50 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25	\$0.75 \$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25	\$0.75 \$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.25 \$1.50 \$1.25 \$1.50 \$1.25 \$1.50	\$1.14 \$1.14 \$0.56 \$1.84 \$1.24 \$2.46 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$2.46 \$1.84 \$2.46 \$1.84	\$1.14 \$1.70 \$0.56 \$3.72 \$1.24 \$3.72 \$1.84 \$1.24	\$1.14 \$2.26 \$0.56 \$4.30 \$1.24 \$4.30 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84	\$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$1.84 \$1.84	\$1.14 \$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$5.56
Dallas Main Plaza ^B S.R. 408 Good Homes Road Hiawassee Main Plaza Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.57 \$0.28 \$0.92 \$0.62 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.99 \$0.99 \$0.99 \$0.99 \$0.99 \$0.99 \$0.90 \$0	\$0.85 \$1.86 \$0.62 \$1.86 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$0.62 \$1.86 \$0.92 \$0.62 \$1.86 \$0.92 \$0.62 \$1.86 \$0.92	\$1.13 \$0.28 \$2.15 \$0.62 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62	\$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$1.13 \$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.75 \$0.50 \$1.25 \$0.75 \$1.50 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50	\$1.00 \$0.50 \$2.25 \$0.75 \$2.25 \$1.25 \$1.25 \$0.75 \$0.75 \$1.25	\$1.25 \$0.50 \$2.50 \$0.75 \$2.50 \$1.25 \$0.75 \$0.75 \$0.75 \$0.75 \$1.25	\$1.25 \$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$1.50 \$3.25 \$1.25 \$1.50	\$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25 \$1.25	\$1.14 \$0.56 \$1.84 \$1.24 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$2.46 \$2.46 \$1.88 \$2.46	\$1.70 \$0.56 \$3.72 \$1.24 \$3.72 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$2.46	\$2.26 \$0.56 \$4.30 \$1.24 \$4.30 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$2.46 \$5.56 \$1.84	\$2.26 \$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$5.56
S.R. 408 Good Homes Road Hiawassee Main Plaza Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.28 \$0.92 \$0.62 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$1.23 \$0.92 \$1.23 \$0.92 \$0.69 \$0.92 \$0.69 \$0.62	\$0.28 \$1.86 \$0.62 \$1.86 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.92	\$0.28 \$2.15 \$0.62 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62	\$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$0.92 \$1.23 \$2.78	\$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$0.92	\$0.50 \$1.25 \$0.75 \$1.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50	\$0.50 \$2.25 \$0.75 \$2.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25 \$1.25	\$0.50 \$2.50 \$0.75 \$2.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$1.50	\$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$1.25 \$1.50	\$0.56 \$1.84 \$1.24 \$2.46 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$1.84 \$2.46	\$0.56 \$3.72 \$1.24 \$3.72 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$0.56 \$4.30 \$1.24 \$4.30 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.56 \$1.84	\$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$5.56
S.R. 408 Good Homes Road Hiawassee Main Plaza Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.28 \$0.92 \$0.62 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$1.23 \$0.92 \$1.23 \$0.92 \$0.69 \$0.92 \$0.69 \$0.62	\$0.28 \$1.86 \$0.62 \$1.86 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.92	\$0.28 \$2.15 \$0.62 \$2.15 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62	\$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$0.92 \$1.23 \$2.78	\$0.28 \$2.78 \$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$0.92	\$0.50 \$1.25 \$0.75 \$1.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50	\$0.50 \$2.25 \$0.75 \$2.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25 \$1.25	\$0.50 \$2.50 \$0.75 \$2.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$1.50	\$0.50 \$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$1.25 \$1.50	\$0.56 \$1.84 \$1.24 \$2.46 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$1.84 \$2.46	\$0.56 \$3.72 \$1.24 \$3.72 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$0.56 \$4.30 \$1.24 \$4.30 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.56 \$1.84	\$0.56 \$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$5.56
Good Homes Road Hiawassee Main Plaza Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.92 \$0.62 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.93 \$0.94 \$0.95	\$1.86 \$0.62 \$1.86 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.92 \$0.62	\$2.15 \$0.62 \$2.15 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62	\$2.78 \$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$2.78 \$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$1.25 \$0.75 \$1.50 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$1.50 \$1.25 \$1.25	\$2.25 \$0.75 \$2.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25 \$1.25	\$2.50 \$0.75 \$2.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.84 \$1.24 \$2.46 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$2.46 \$2.46 \$1.84 \$1.24	\$3.72 \$1.24 \$3.72 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$4.30 \$1.24 \$4.30 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56
Hiawassee Main Plaza Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.92 \$0.62 \$1.23 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.92 \$0.93 \$0.94 \$0.95	\$1.86 \$0.62 \$1.86 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.92 \$0.62	\$2.15 \$0.62 \$2.15 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62	\$2.78 \$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$1.25 \$0.75 \$1.50 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$1.50 \$1.25 \$1.25	\$2.25 \$0.75 \$2.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25 \$1.25	\$2.50 \$0.75 \$2.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$3.25 \$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.84 \$1.24 \$2.46 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$2.46 \$2.46 \$1.84 \$1.24	\$3.72 \$1.24 \$3.72 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$4.30 \$1.24 \$4.30 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$5.56 \$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56
Hiawassee Road Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.62 \$1.23 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.23 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.62	\$0.62 \$1.86 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$1.23 \$1.86 \$0.92 \$1.62 \$1.86 \$0.92 \$1.86 \$0.92	\$0.62 \$2.15 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62	\$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.62 \$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.75 \$1.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$0.75 \$1.25	\$0.75 \$2.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25 \$1.25	\$0.75 \$2.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$0.75 \$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.24 \$2.46 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.24 \$2.46 \$2.46 \$1.84 \$1.24	\$1.24 \$3.72 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$1.24 \$4.30 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$1.24 \$5.56 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56
Pine Hills Main Plaza Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$1.23 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.23 \$0.92 \$0.62 \$0.92 \$0.62 \$0.92 \$0.62 \$0.62	\$1.86 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$1.23 \$1.23 \$1.86 \$0.92 \$0.62 \$0.62 \$0.62	\$2.15 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62	\$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$2.78 \$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$0.62	\$1.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$0.75 \$1.25	\$2.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25	\$2.50 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$3.25 \$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$2.46 \$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$2.46 \$1.84 \$1.24	\$3.72 \$1.84 \$1.84 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$4.30 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$5.56 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$5.56 \$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56
Old Winter Garden Road John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.23 \$0.92 \$0.62 \$0.62 \$0.92 \$0.62 \$0.62	\$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.62	\$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62	\$0.92 \$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$0.62	\$0.92 \$0.92 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$0.62	\$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$0.75 \$1.25	\$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$0.75	\$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.25 \$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$2.46 \$1.84 \$1.24	\$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$1.84 \$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$1.84 \$1.24 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56
John Young Parkway (S.R. 423) Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.23 \$0.92 \$0.62 \$0.62 \$0.92 \$0.62	\$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.62	\$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$0.62	\$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.92 \$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$0.75 \$1.25	\$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25	\$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.25 \$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$2.46 \$1.84 \$1.24	\$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$1.84 \$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56
Orange Blossom Trail Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$0.92 \$0.62 \$0.62 \$0.92 \$0.62 \$0.62	\$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.62	\$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$2.15 \$0.62	\$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.62 \$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$0.75 \$1.25	\$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25	\$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$0.75 \$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$2.46 \$1.84 \$1.24	\$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$1.24 \$1.24 \$1.24 \$1.84 \$2.46 \$5.56
Mills Avenue Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.62 \$0.62 \$0.92 \$1.23 \$1.23 \$0.92 \$0.62 \$0.92 \$0.62 \$1.54 \$0.92 \$0.62	\$0.62 \$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.62	\$0.62 \$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$2.15 \$0.62	\$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.62 \$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.75 \$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$0.75 \$1.25	\$0.75 \$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25	\$0.75 \$0.75 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$0.75 \$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.24 \$1.24 \$1.84 \$2.46 \$2.46 \$1.84 \$1.24	\$1.24 \$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$1.24 \$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$1.24 \$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$1.24 \$1.24 \$1.84 \$2.46 \$5.56
Bumby Avenue Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.62 \$0.92 \$1.23 \$1.23 \$0.92 \$0.62 \$0.62 \$0.92 \$0.62	\$0.62 \$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.62	\$0.62 \$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$2.15 \$0.62	\$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.62 \$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.75 \$1.25 \$1.50 \$1.50 \$1.25 \$0.75 \$1.25	\$0.75 \$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25	\$0.75 \$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$0.75 \$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.24 \$1.84 \$2.46 \$2.46 \$1.84 \$1.24	\$1.24 \$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$1.24 \$1.84 \$2.46 \$4.30 \$1.84	\$1.24 \$1.84 \$2.46 \$5.56 \$1.84	\$1.24 \$1.84 \$2.46 \$5.56
Conway Road Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.92 \$1.23 \$1.23 \$0.92 \$0.62 \$0.92 \$0.62 \$1.54 \$0.92 \$0.62	\$0.92 \$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.62	\$0.92 \$1.23 \$2.15 \$0.92 \$0.62 \$2.15 \$0.62	\$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$0.92 \$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$1.25 \$1.50 \$1.50 \$1.25 \$0.75 \$1.25	\$1.25 \$1.50 \$2.25 \$1.25 \$0.75 \$2.25	\$1.25 \$1.50 \$2.50 \$1.25 \$0.75	\$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.25 \$1.50 \$3.25 \$1.25 \$0.75	\$1.84 \$2.46 \$2.46 \$1.84 \$1.24	\$1.84 \$2.46 \$3.72 \$1.84 \$1.24	\$1.84 \$2.46 \$4.30 \$1.84	\$1.84 \$2.46 \$5.56 \$1.84	\$1.84 \$2.46 \$5.56
Andes/Semoran Boulevard Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$1.23 \$1.23 \$0.92 \$0.62 \$0.92 \$0.62 \$1.54 \$0.92 \$0.62	\$1.23 \$1.86 \$0.92 \$0.62 \$1.86 \$0.62	\$1.23 \$2.15 \$0.92 \$0.62 \$2.15 \$0.62	\$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$1.23 \$2.78 \$0.92 \$0.62 \$2.78	\$1.50 \$1.50 \$1.25 \$0.75 \$1.25	\$1.50 \$2.25 \$1.25 \$0.75 \$2.25	\$1.50 \$2.50 \$1.25 \$0.75	\$1.50 \$3.25 \$1.25 \$0.75	\$1.50 \$3.25 \$1.25 \$0.75	\$2.46 \$2.46 \$1.84 \$1.24	\$2.46 \$3.72 \$1.84 \$1.24	\$2.46 \$4.30 \$1.84	\$2.46 \$5.56 \$1.84	\$2.46 \$5.56
Conway Main Plaza Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$1.23 \$0.92 \$0.62 \$0.92 \$0.62 \$1.54 \$0.92 \$0.62	\$1.86 \$0.92 \$0.62 \$1.86 \$0.62	\$2.15 \$0.92 \$0.62 \$2.15 \$0.62	\$2.78 \$0.92 \$0.62 \$2.78	\$2.78 \$0.92 \$0.62 \$2.78	\$1.50 \$1.25 \$0.75 \$1.25	\$2.25 \$1.25 \$0.75 \$2.25	\$2.50 \$1.25 \$0.75	\$3.25 \$1.25 \$0.75	\$3.25 \$1.25 \$0.75	\$2.46 \$1.84 \$1.24	\$3.72 \$1.84 \$1.24	\$4.30 \$1.84	\$5.56 \$1.84	\$5.56
Semoran Boulevard (S.R. 436) Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.92 \$0.62 \$0.92 \$0.62 \$1.54 \$0.92 \$0.62	\$0.92 \$0.62 \$1.86 \$0.62 \$2.15	\$0.92 \$0.62 \$2.15 \$0.62	\$0.92 \$0.62 \$2.78	\$0.92 \$0.62 \$2.78	\$1.25 \$0.75 \$1.25	\$1.25 \$0.75 \$2.25	\$1.25 \$0.75	\$1.25 \$0.75	\$1.25 \$0.75	\$1.84 \$1.24	\$1.84 \$1.24	\$1.84	\$1.84	
Dean Road Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.62 \$0.92 \$0.62 \$1.54 \$0.92 \$0.62	\$0.62 \$1.86 \$0.62 \$2.15	\$0.62 \$2.15 \$0.62	\$0.62 \$2.78	\$0.62 \$2.78	\$0.75 \$1.25	\$0.75 \$2.25	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24			
Dean Main Plaza Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.92 \$0.62 \$1.54 \$0.92 \$0.62	\$1.86 \$0.62 \$2.15	\$2.15 \$0.62	\$2.78	\$2.78	\$1.25	\$2.25						\$1.24		
Rouse Road S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.62 \$1.54 \$0.92 \$0.62	\$0.62 \$2.15	\$0.62										64.20	\$1.24	\$1.24
S.R. 417 John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$1.54 \$0.92 \$0.62	\$2.15		\$0.62	\$0.62		40.75		\$3.25		\$1.84	\$3.72	\$4.30	\$5.56	\$5.56
John Young Main Plaza John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.92 \$0.62		\$2.70		1	د ۲.۰۰	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
John Young Parkway (S.R. 423) Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.92 \$0.62			40.00	40.00	44.75	40.50	40.05	40.75	40.75	40.00	44.00	45.56	46.70	46.70
Orange Blossom Trail Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.62	50.97		\$3.39	\$3.39	\$1.75	\$2.50	\$3.25	\$3.75	\$3.75	\$3.08	\$4.30	\$5.56	\$6.78	\$6.78
Landstar Boulevard Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road			\$0.92	\$0.92	\$0.92	\$1.25	\$1.25	\$1.25	\$1.25	\$1.25	\$1.84	\$1.84	\$1.84	\$1.84	\$1.84
Boggy Creek Main Plaza Boggy Creek Road Lake Nona Boulevard Narcoossee Road		\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
Boggy Creek Road Lake Nona Boulevard Narcoossee Road	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Lake Nona Boulevard Narcoossee Road	\$1.54	\$2.15	\$2.78	\$3.39	\$3.39	\$1.75	\$2.50	\$3.25	\$3.75	\$3.75	\$3.08	\$4.30	\$5.56	\$6.78	\$6.78
Narcoossee Road	\$1.23	\$1.23	\$1.23	\$1.23	\$1.23	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$2.46	\$2.46	\$2.46	\$2.46	\$2.46
	\$0.92	\$0.92	\$0.92	\$0.92	\$0.92	\$1.25	\$1.25	\$1.25	\$1.25	\$1.25	\$1.84	\$1.84	\$1.84	\$1.84	\$1.84
Moss Park Road	\$0.92	\$0.92	\$0.92	\$0.92	\$0.92	\$1.25	\$1.25	\$1.25	\$1.25	\$1.25	\$1.84	\$1.84	\$1.84	\$1.84	\$1.84
	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
<i>"</i>	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
*	\$0.92	\$1.86	\$2.15	\$2.78	\$2.78	\$1.25	\$2.25	\$2.50	\$3.25	\$3.25	\$1.84	\$3.72	\$4.30	\$5.56	\$5.56
, , , ,	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
,	\$0.92	\$1.86	\$2.15	\$2.78	\$2.78	\$1.25	\$2.25	\$2.50	\$3.25	\$3.25	\$1.84	\$3.72	\$4.30	\$5.56	\$5.56
	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
S.R. 429															
	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
· · · · · · · · · · · · · · · · · · ·	\$0.92	\$0.92	\$0.92	\$0.92	\$0.92	\$1.25	\$1.25	\$1.25	\$1.25	\$1.25	\$1.84	\$1.84	\$1.84	\$1.84	\$1.84
· · · · · · · · · · · · · · · · · · ·	\$1.54	\$2.15	\$2.78	\$3.39	\$3.39	\$1.75	\$2.50	\$3.25	\$3.75	\$3.75	\$3.08	\$4.30	\$5.56	\$6.78	\$6.78
	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	N/A	N/A	N/A	N/A	N/A	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
	\$0.32	\$0.32	\$0.32	\$0.32	\$0.32	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.64	\$0.64	\$0.64	\$0.64	\$0.64
	\$0.92	\$0.92	\$0.92	\$0.92	\$0.92	\$1.25	\$1.25	\$1.25	\$1.25	\$1.25	\$1.84	\$1.84	\$1.84	\$1.84	\$1.84
Forest Lake Main Plaza	\$1.54	\$2.15	\$2.78	\$3.39	\$3.39	\$1.75	\$2.50	\$3.25	\$3.75	\$3.75	\$3.08	\$4.30	\$5.56	\$6.78	\$6.78
C.R. 437A	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
Ponkan Main Plaza	\$0.88	\$1.33	\$1.77	\$2.21	\$2.21	N/A	N/A	N/A	N/A	N/A	\$1.76	\$2.66	\$3.54	\$4.42	\$4.42
,	\$0.83	\$1.26	\$1.65	\$2.08	\$2.08	N/A	N/A	N/A	N/A	N/A	\$1.66	\$2.52	\$3.30	\$4.16	\$4.16
S.R. 453	40			44							A	40	40	40	40 -
Coronado Main Plaza S.R. 414	\$0.71	\$1.09	\$1.44	\$1.82	\$1.82	N/A	N/A	N/A	N/A	N/A	\$1.42	\$2.18	\$2.88	\$3.64	\$3.64
	ć1 22	ć1 0C	¢2.45	\$3.08	¢2.00	Ć1 FC	ć2.25	ć2.75	ća ro	¢2.50	ć2.46	62.72	C4.00	¢C 1C	CC 10
	\$1.23	\$1.86	\$2.45		\$3.08	\$1.50	\$2.25	\$2.75	\$3.50	\$3.50	\$2.46	\$3.72	\$4.90	\$6.16	\$6.16
	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24
Hiawassee Road S.R. 538	\$0.32	\$0.32	\$0.32	\$0.32	\$0.32	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.64	\$0.64	\$0.64	\$0.64	\$0.64
	62.22	62.26	¢4.42	\$5.58	¢E EO	NI/A	NI/A	NI/A	NI/A	NI/A	\$4.44	¢6.72	¢0 00	\$11.16	¢11 10
	\$2.22 \$0.55	\$3.36 \$0.81	\$4.43 \$1.09	\$5.58	\$5.58	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	\$4.44	\$6.72 \$1.62	\$8.86 \$2.18	\$11.16	\$11.16
Koa Main Plaza Notes:		\$υ.81	\$1.09	\$1.3b	\$1.36	N/A	IN/A	IN/A	IN/A	IV/A	\$1.10	\$1.62	\$2.18	\$Z./Z	\$2.72

A - Includes motorcycles.

B - The toll listed for this plaza includes the toll collected for FDOT, which is \$0.26 for transponder transactions or \$0.75 for cash transactions regardless of the number of axles.

1.3.1 DISCOUNT PROGRAMS

Starting in 1998, CFX began a series of frequent-user discount programs for customers who utilize E-PASS transponders. The first discount program helped CFX with a Florida Transportation Commission (FTC) performance measure that required 75 percent of the total transactions to be completed utilizing ETC transponders. This performance measure was instituted by the FTC in 2007. The E-PASS discount program offered a five percent rebate to ETC customers with 40 or more CFX transactions per month and a ten percent rebate to customers with 80 or more CFX transactions per month. While E-PASS is compatible with other interoperable transponders, transactions on those systems were not eligible for the frequent user discount. Only transactions on CFX facilities that were paid through ETC received this discount, including SunPass® and LeeWay.

In May 2016, CFX replaced the frequent-user discount program with a new Customer Loyalty Discount Program. The Customer Loyalty Discount Program, exclusive to E-PASS customers, was a tiered program that provides toll discounts based on the number of transactions per transponder each month. All E-PASS customers were automatically eligible to participate in the program so there was no enrollment process or monthly fee. The program offered a ten percent rebate to E-PASS customers with 40 or more CFX electronic transactions per month and a 15 percent rebate to customers with 80 or more CFX electronic transactions per month. The discount was only offered in months when actual toll revenue exceeds the revenue projections by more than 2.0 percent.

Beginning in FY 2016 (July 2015), CFX implemented the Beltway Discount Program. This discount program, offered for a six-year period, provided relief for and options to customers during the construction activities on I-4. The program provided an additional 5.0 percent discount to customers with 20 or more transactions in a month on the CFX "beltway" facilities, which included S.R. 417, S.R. 429, and S.R. 414. The discount was only offered in months when actual toll revenue exceeded the revenue projections by more than 2.0 percent. This discount program expired on June 30, 2021, as a majority of the I-4 Ultimate project was complete.

Beginning February 1, 2016 (FY 2016), CFX launched a discount program offering rebates to school buses using CFX facilities. A 99.0 percent rebate is now given to school buses equipped with special E-PASS transponders transporting students on official school business from school districts in Orange, Brevard, Lake, Osceola, Seminole, Polk, and Volusia Counties. The rebate is only offered in months when actual toll revenue exceeds the revenue projections by more than 2.0 percent. In FY 2022, this discount program provided \$0.2 million in rebates to Central Florida school districts.

In September 2022, CFX announced that the Customer Loyalty Discount Program would be replaced with a new E-PASS Volume Savings Program starting in October 2022 (FY 2023). This program is also exclusive to E-PASS customers and is the same concept as the Customer Loyalty Discount Program: tiered and with no enrollment process or monthly fee. The program offers a 20 percent rebate to customers with 40 or more CFX electronic transactions per month and a 25 percent rebate to customers with 80 or more CFX electronic transactions per month.

Beginning January 1, 2023 (FY 2023) through December 31, 2023 (FY 2024), E-PASS customers or Florida interoperable toll pass customers with 35 or more toll transactions per transponder in a single month would automatically receive a 50 percent toll credit to their account. This was part of the 2023 Toll Relief Program (Senate Bill 6A) enacted by Governor Ron DeSantis on December 15, 2022. The 2023 Toll Relief Program was for 2-axle vehicles only, and customers qualifying for this program did not receive the E-PASS Volume Savings Program discounts while the program is in effect. The toll credits were reimbursed to CFX by the State of Florida each month, funded through the Florida Legislative budget. A total of \$132.5M in toll credits were provided to E-PASS customers during this program in 2023. Due to the success of the program, Governor DeSantis has announced the extension of the program to be reinstated in April 2024 (FY 2024) through March 2025 (FY 2025).

In the first fiscal year of implementation (FY 1998), the rebates totaled approximately \$0.7 million, or approximately 0.7 percent of the total System revenues. In FY 2023, the discount program has grown to \$13.9 million, or approximately 2.2 percent of the total System revenues. This growth is indicative of the significant increase in transponder usage overall and the frequency of trips made by electronic toll customers. Discount program growth in FY 2023 was lower than FY 2022 due to the 2023 Toll Relief Program. In FY 2023 the ETC revenue collected reached 78.2 percent of total revenue and total ETC transactions were 86.2 percent of total transactions.

1.3.2 TOLL RATE COMPARISON TO OTHER U.S. TOLL FACILITIES

As shown in **Table 1-3**, the FY 2023 average toll rates per mile on CFX's seven reported facilities are comparable to the average toll rates on other urban toll facilities across the United States¹. The table is sorted by highest to lowest ETC rates-per-mile, with CFX facilities highlighted in blue. The average rates per mile for CFX's facilities are between 15.2 and 25.0 cents per mile for cash rates, 24.5 and 79.1 cents per mile for video rates, and 12.3 and 39.6 cents per mile for ETC rates. The average cash rate for the CFX System is 18.3 cents per mile, the average video rate is 34.8 and the average ETC rate is 17.4 cents per mile. Toll rates on CFX facilities vary depending on the opening year of the facility and the initial toll rate, and the relative toll adjustments that have taken place since the opening of the facility.

¹ Toll data collected by CDM Smith for "Urban" toll road facilities in US, updated as of 2/1/2024.

Table 1-3
Toll Rate Comparison with Other U.S. Toll Facilities

FL FTE, I-4 Selr CA TCA, San Jo. CA TCA, Foothil CA TCA, Foothil TX CTRMA, SH TX TXDOT, Loo OK OTA, Gilcrea TX MCTRA, SH FL CFX, SR 538 TX CTRMA, 15: TX CTRMA, 45 TX TXDOT, SH: CO E-470 TX CTRMA, 45 TX TXDOT, SH: CA SanDAG, So TX FBCTRA, For VA RMTA, Pow VA RMTA, Dow TX Fort Bend C TX TXDOT, Grat TX Fort Bend C	n Toll Road lles Expressway lles (Poinciana Parkway) lles (Poincia	Year Tolling Began 2005 2014 1996 1998 1984 2007 2007 2002 2016 2019 2019 2020 2016 2019 2019 2020 1991 2017 2007 2004 1973 1976 2014	Most Recent Toll Change 9/4/2023 7/1/2023 7/1/2023 7/1/2023 3/1/2023 3/1/2023 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024	1 1 15 12 24 13 9 3 5 4 7 8 4 15 15 12 4 13 4 15 15 15 15 15 15 15 15 15 15 15 15 15	\$1.35 \$0.85 \$9.18 \$6.92 \$11.45 \$6.00 \$3.92 \$1.29 \$2.05 \$1.47 \$2.77 \$2.92 \$1.19 \$4.49	Cash	\$\footnote{\text{Video}}\$ \$\footnote{\text{Video}}\$ \$\footnote{\text{\$1.80}}\$ \$\footnote{\text{\$1.13}}\$ \$\footnote{\text{\$9.18}}\$ \$\footnote{\text{\$6.92}}\$ \$\footnote{\text{\$11.45}}\$ \$\footnote{\text{\$9.20}}\$ \$\footnote{\text{\$5.89}}\$ \$\footnote{\text{\$5.89}}\$ \$\footnote{\text{\$4.10}}\$ \$\footnote{\text{\$5.54}}\$ \$\footnote{\text{\$4.38}}\$	ETC 103.8 85.0 61.2 57.7 47.7 44.8 43.6 43.0 41.0 40.8 39.6	tes-per-M Cash	Video 138.5 113.0 61.2 57.7 47.7 68.7 65.4 64.7 82.0	Area Type Urban	Collection Method for Full Length Trips AET with Video AET with Video
TX HCTRA, Fort FL FTE, I-4 Selr CA TCA, San Jo: CA TCA, Footbil CA TCA, Easter VA MWAA, Dul TX CTRMA, SH TX TxDOT, Loo; OK OTA, Gilcrea TX MCTRA, SH FL CFX, SR 538 TX CTRMA, 45 TX DTXDOT, SH: CO E-470 TX CTRMA, SH CA SanDAG, SO TX FBCTRA, Fort VA RMTA, Dow TX FOT Bend C FL THEA, Lee R TX TXDOT, Grat TX TXDOT, Grat TX Fort Bend C	mon Expressway Connector aquin Hills Toll Road ill Toll Road in Toll Road illes Toll Road ille	2005 2014 1996 1993 1998 1984 2007 2007 2016 2019 2019 2019 2017 2007 2007 2007 2017 2017	9/4/2023 7/1/2023 7/1/2023 7/1/2023 7/1/2023 3/1/2023 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024	1 1 15 12 24 13 9 3 5 4 7 8 4 15 4 7	\$1.35 \$0.85 \$9.18 \$6.92 \$11.45 \$6.00 \$3.92 \$1.29 \$2.05 \$1.47 \$2.77 \$2.92 \$1.19 \$4.49	Cash	\$1.80 \$1.13 \$9.18 \$6.92 \$11.45 \$9.20 \$5.89 \$1.94 \$4.10	103.8 85.0 61.2 57.7 47.7 44.8 43.6 43.0 41.0 40.8 39.6	Cash	138.5 113.0 61.2 57.7 47.7 68.7 65.4 64.7 82.0	Urban	AET with Video
FL FTE, I-4 Selr CA TCA, San Jo. CA TCA, San Jo. CA TCA, Foothil CA TCA, Easter VA MWAA, Dull TX CTRMA, SH TX TXDOT, Loo) OK OTA, Gilcrea TX MCTRA, SH FL CFX, SR 538 TX CTRMA, 18: TX CTRMA, 18: TX CTRMA, 45 TX TXDOT, SH: CO E-470 TX CTRMA, 5H CA SanDAG, So TX FBCTRA, For VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, CGR TX TXDOT, GRI TX TXDOT, GRI TX TXDOT, GRI TX Fort Bend C TX FORT BEND	mon Expressway Connector aquin Hills Toll Road ill Toll Road in Toll Road illes Toll Road ille	2014 1996 1993 1998 1984 2007 2007 2016 2019 2019 2019 2020 1991 2017 2007 2007 2007	7/1/2023 7/1/2023 7/1/2023 7/1/2023 3/1/2023 3/1/2023 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024	1 15 12 24 13 9 3 5 4 7 8 4 15	\$0.85 \$9.18 \$6.92 \$11.45 \$6.00 \$3.92 \$1.29 \$2.05 \$1.47 \$2.77 \$2.92 \$1.19 \$4.49		\$1.13 \$9.18 \$6.92 \$11.45 \$9.20 \$5.89 \$1.94 \$4.10	85.0 61.2 57.7 47.7 44.8 43.6 43.0 41.0 40.8 39.6		113.0 61.2 57.7 47.7 68.7 65.4 64.7 82.0	Urban	AET with Video
CA TCA, San Joi CA TCA, Foothil CA TCA, Foothil CA TCA, Foothil TX CTRMA, SH TX TXDOT, Loo; OK OTA, Gilcra TX MCTRA, SH FL CFX, SR 538 TX CTRMA, 18: TX CTRMA, 18: TX CTRMA, 18: TX CTRMA, SH CO E-470 TX CTRMA, SH CA SanDAG, 50 TX FBCTRA, Foi VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TXDOT, Grat TX Fort Bend C	laquin Hills Toll Road III Toll Road III Toll Road Iles Toll Road Interpretable Toll Road Interpret	1996 1993 1998 1998 2007 2022 2020 2016 2019 2020 1991 2017 2007 2004 1973	7/1/2023 7/1/2023 7/1/2023 7/1/2023 3/1/2024 1/1/2024 1/1/2024 1/1/2022 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024	15 12 24 13 9 3 5 4 7 8 4 15	\$9.18 \$6.92 \$11.45 \$6.00 \$3.92 \$1.29 \$2.05 \$1.47 \$2.77 \$2.92 \$1.19 \$4.49		\$9.18 \$6.92 \$11.45 \$9.20 \$5.89 \$1.94 \$4.10	61.2 57.7 47.7 44.8 43.6 43.0 41.0 40.8 39.6		61.2 57.7 47.7 68.7 65.4 64.7 82.0	Urban	AET with Video
CA TCA, Foothil CA TCA, Easter VA MWAA, Dull TX CTRMA, SH TX TXDOT, Looj OK OTA, Gilcrea TX MCTRA, SH FL CFX, SR 538 TX CTRMA, 18: TX CTRMA, 18: TX CTRMA, SH TX TXDOT, SH: CO E-470 TX CTRMA, SH CA SanDAG, 50 TX FBCTRA, Foi VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TXDOT, Grat TX Fort Bend C	ill Toll Road n Toll Road lles Toll Road lles Toll Road lles Toll Road se Expressway 2.49 Toll 8 (Poinciana Parkway) 3 Toll SW Toll 249 Toll 171 Toll uuth Bay Expwy (SR 125) rt Bend Parkway Toll Road white Parkway whown Expressway (SR 195) To TRA, Grand Parkway too Yac Fard Parkway to Parkway	1993 1998 1984 2007 2022 2020 2016 2019 2020 1991 2017 2007 2007 2019 2019 2017 2007 2019	7/1/2023 7/1/2023 7/1/2023 3/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024	12 24 13 9 3 5 4 7 8 4 15	\$6.92 \$11.45 \$6.00 \$3.92 \$1.29 \$2.05 \$1.47 \$2.77 \$2.92 \$1.19		\$6.92 \$11.45 \$9.20 \$5.89 \$1.94 \$4.10	57.7 47.7 44.8 43.6 43.0 41.0 40.8 39.6		57.7 47.7 68.7 65.4 64.7 82.0	Urban	AET with Video AET ransponder Only
VA MWAA, Dull TX CTRMA, SH TX TXDOT, Loo OK OTA, Gilcrea TX MCTRA, SH FL CFX, SR 538 TX CTRMA, 18: TX CTRMA, 18: TX CTRMA, 45: TX TXDOT, SH: CO E-470 TX CTRMA, 45 TX TXDOT, SH: CO F-470 TX CTRMA, 54 TX TXDOT, SH: TX TXDOT, GTAT TX Fort Bend C TX THEA, Lee R TX TXDOT, GTAT TX FORT BEND C	lles Toll Road 183A p 1 sase Expressway 249 Toll 8 (Poinciana Parkway) 3 Toll 5249 Toll 249 Toll 171 Toll buth Bay Expwy (SR 125) rt Bend Parkway Toll Road shite Parkway untown Expressway (SR 195) Co TRA, Grand Parkway toly Selmon Expressway Ind Parkway Ind	1984 2007 2007 2022 2020 2016 2019 2020 1991 2017 2007 2007 2004 1973	3/1/2023 1/1/2024 1/1/2024 11/14/2022 11/1/2024 7/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024	13 9 3 5 4 7 8 4 15	\$6.00 \$3.92 \$1.29 \$2.05 \$1.47 \$2.77 \$2.92 \$1.19 \$4.49		\$9.20 \$5.89 \$1.94 \$4.10 \$5.54	44.8 43.6 43.0 41.0 40.8 39.6		68.7 65.4 64.7 82.0	Urban Urban Urban Urban Urban Urban Urban	AET with Video AET Transponder Only
TX CTRMA, SH TX TXDOT, Loop OK OTA, Gilcrae TX MCTRA, SH FL CFX, SR 538 TX CTRMA, 18: TX CTRMA, 18: TX TXDOT, SH: CO E-470 TX CTRMA, SH CA SanDAG, 50 TX FBCTRA, For VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TXDOT, Grat TX Fort Bend C	183A p 1 ase Expressway 249 Toll 8 (Poinciana Parkway) 3 Toll SW Toll 249 Toll 71 Toll bouth Bay Expwy (SR 125) rt Bend Parkway Toll Road white Parkway wintown Expressway (SR 195) Co TRA, Grand Parkway toly Selmon Expressway nd Parkway	2007 2007 2022 2020 2016 2019 2019 2020 1991 2017 2007 2004 1973 1976	1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2022 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024	9 3 5 4 7 8 4 15 47	\$3.92 \$1.29 \$2.05 \$1.47 \$2.77 \$2.92 \$1.19 \$4.49		\$5.89 \$1.94 \$4.10 \$5.54	43.6 43.0 41.0 40.8 39.6		65.4 64.7 82.0	Urban Urban Urban Urban Urban Urban	AET with Video AET with Video AET with Video AET Transponder Only
TX TXDOT, Loop OK OTA, Gilcrea TX MCTRA, SH FL CFX, SR 538 TX CTRMA, 18: TX CTRMA, 18: TX TXDOT, SH: CO E-470 TX CTRMA, SH CA SanDAG, 50 TX FBCTRA, Fol VA RMTA, Dow TX FOT Bend C FL THEA, Lee R TX TXDOT, Grat TX Fort Bend C	pp 1 ase Expressway (249 Toll 8 (Poinciana Parkway) 3 Toll SW Toll 249 Toll 71 Toll puth Bay Expwy (SR 125) rt Bend Parkway Toll Road white Parkway writown Expressway (SR 195) To TRA, Grand Parkway toly Selmon Expressway nd Parkway	2007 2022 2020 2016 2019 2019 2020 1991 2017 2007 2004 1973 1976	1/1/2024 11/14/2022 1/1/2024 7/1/2022 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2024 6/30/2012 1/1/2023	3 5 4 7 8 4 15 47	\$1.29 \$2.05 \$1.47 \$2.77 \$2.92 \$1.19 \$4.49		\$1.94 \$4.10 \$5.54	43.0 41.0 40.8 39.6		64.7 82.0	Urban Urban Urban Urban	AET with Video AET with Video AET Transponder Only
OK OTA, Gilcrea TX MCTRA, SH FL CFX, SRS, SS, SS, SS, SS, SS, SS, SS, SS, S	ase Expressway 249 Toll 8 (Poinciana Parkway) 3 Toll SW Toll 249 Toll 71 Toll puth Bay Expwy (SR 125) rt Bend Parkway Toll Road white Parkway untown Expressway (SR 195) To TRA, Grand Parkway toly Selmon Expressway nd Parkway nd Parkway de Parkway nd Parkway	2022 2020 2016 2019 2019 2020 1991 2017 2007 2004 1973 1976	11/14/2022 1/1/2024 7/1/2022 1/1/2024 1/1/2024 1/1/2024 1/1/2022 1/1/2024 6/30/2012 1/1/2023	5 4 7 8 4 15 47	\$2.05 \$1.47 \$2.77 \$2.92 \$1.19 \$4.49		\$4.10 \$5.54	41.0 40.8 39.6		82.0	Urban Urban Urban	AET with Video AET Transponder Only
FL	8 (Poinciana Parkway) 3 Toll 249 Toll 249 Toll 71 Toll both Bay Expwy (SR 125) rt Bend Parkway Toll Road shite Parkway wintown Expressway (SR 195) Co TRA, Grand Parkway toly Selmon Expressway nd Parkway	2016 2019 2019 2020 1991 2017 2007 2004 1973	7/1/2022 1/1/2024 1/1/2024 1/1/2024 1/1/2024 1/1/2022 1/1/2024 6/30/2012 1/1/2023	7 8 4 15 47	\$2.77 \$2.92 \$1.19 \$4.49			39.6		79.1	Urban	
TX CTRMA, 18: TX CTRMA, 45: TX TXDOT, SH: CO E-470 TX CTRMA, SH CA SanDAG, 50: TX FBCTRA, FoI VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TXDOT, Grat TX Fort Bend C	3 Toll SW Toll 249 Toll 71 Toll buth Bay Expwy (SR 125) rt Bend Parkway Toll Road white Parkway rutown Expressway (SR 195) To TRA, Grand Parkway oxy Selmon Expressway nd Parkway	2019 2019 2020 1991 2017 2007 2004 1973 1976	1/1/2024 1/1/2024 1/1/2024 1/1/2022 1/1/2024 6/30/2012 1/1/2023	8 4 15 47	\$2.92 \$1.19 \$4.49					79.1		
TX CTRMA, 45 TX TXDOT, SH: CO E-470 TX CTRMA, SH CA SanDAG, So TX FBCTRA, FoI VA RMTA, Pow VA RMTA, Dow TX Fort Bend TX Fort Bend TX TXDOT, Grat TX Fort Bend C	SW Toll 249 Toll 71 Toll uuth Bay Expwy (SR 125) rt Bend Parkway Toll Road white Parkway wrtown Expressway (SR 195) Co TRA, Grand Parkway toly Selmon Expressway nd Parkway	2019 2020 1991 2017 2007 2004 1973 1976	1/1/2024 1/1/2024 1/1/2022 1/1/2024 6/30/2012 1/1/2023	4 15 47	\$1.19 \$4.49		\$4.38					AET with Video
TX TXDOT, SH : CO E-470 TX CTRMA, SH CA SanDAG, So TX FBCTRA, FoI VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TXDOT, Grat TX Fort Bend C	249 Toll 171 Toll buth Bay Expwy (SR 125) rt Bend Parkway Toll Road white Parkway wntown Expressway (SR 195) to TRA, Grand Parkway toy Selmon Expressway nd Parkway	2020 1991 2017 2007 2004 1973 1976	1/1/2024 1/1/2022 1/1/2024 6/30/2012 1/1/2023	15 47	\$4.49		\$1.79	36.5 34.0		54.8	Urban	AET with Video
CO E-470 TX CTRMA, SH CA SanDAG, So TX FBCTRA, FoI VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TXDOT, Grar TX Fort Bend C	171 Toll buth Bay Expwy (SR 125) rt Bend Parkway Toll Road shite Parkway wintown Expressway (SR 195) Co TRA, Grand Parkway toy Selmon Expressway nd Parkway	2017 2007 2004 1973 1976	1/1/2022 1/1/2024 6/30/2012 1/1/2023				\$6.74	30.3		45.5	Urban Urban	AET with Video AET with Video
CA SanDAG, So TX FBCTRA, FoI VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TXDOT, Graf TX Fort Bend C	outh Bay Expwy (SR 125) rt Bend Parkway Toll Road //hite Parkway rutown Expressway (SR 195) 20 TRA, Grand Parkway koy Selmon Expressway nd Parkway	2007 2004 1973 1976	6/30/2012 1/1/2023	4	\$13.95		\$22.25	29.9		47.7	Urban	AET with Video
TX FBCTRA, FoI VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TxDOT, Graf TX Fort Bend C	rt Bend Parkway //hite Parkway //ntown Expressway (SR 195) //o TRA, Grand Parkway //oy Selmon Expressway nd Parkway	2004 1973 1976	1/1/2023		\$1.11		\$1.67	28.5		42.8	Urban	AET with Video
VA RMTA, Pow VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TxDOT, Grar TX Fort Bend C	uhite Parkway untown Expressway (SR 195) Co TRA, Grand Parkway toy Selmon Expressway nd Parkway	1973 1976		10	\$2.75	\$3.50	\$5.50	27.5	35.0	55.0	Urban	Traditional
VA RMTA, Dow TX Fort Bend C FL THEA, Lee R TX TxDOT, Grar TX Fort Bend C	vntown Expressway (SR 195) Co TRA, Grand Parkway Roy Selmon Expressway nd Parkway	1976	9/1/2023	8	\$2.16 \$0.90	\$1.00	\$3.16	27.0 26.5	29.4	39.5	Urban Urban	AET with Video Traditional
TX Fort Bend C FL THEA, Lee Ri TX TxDOT, Gran TX Fort Bend C	o TRA, Grand Parkway Noy Selmon Expressway nd Parkway	2014	9/1/2023	3	\$0.9	\$1.00		26.5	29.4		Urban	Traditional
TX TxDOT, Gran	nd Parkway		1/1/2023	12	\$3.08		\$4.83	25.7		40.3	Urban	AET with Video
TX Fort Bend C	,	1976	7/1/2022	17	\$4.26		\$5.34	25.2		31.6	Urban	AET with Video
	Lo TNA, Westpark TollWay	2011	1/1/2024	105	\$25.33	-	62.12	24.1		21.7	Urban	AET Transponder Only
	Southern Beltway (I-576)	2005	1/7/2023	10 19	\$2.37 \$4.50		\$3.12 \$9.00	23.7		31.2 47.4	Urban Urban	AET with Video AET with Video
	holm Trail Parkway	2014	7/1/2023	28	\$6.44		\$12.88	23.3		46.7	Urban	AET with Video
	ngle Expressway	2012	1/1/2024	15	\$3.49		\$5.36	23.1		35.5	Urban	AET with Video
TX NE Texas RN		2006	1/1/2023	32	\$7.26		\$10.91	22.7		34.1	Urban	AET with Video
	county Connector	2011	7/1/2015	18	\$3.86		\$5.78	22.1		33.0	Urban	AET with Video
	Rayburn Tollway	2008 1968	7/1/2023 7/1/2023	24 30	\$5.01		\$10.02	21.3		42.6	Urban	AET with Video AET with Video
	is North Tollway ident George Bush Turnpike	1998	7/1/2023	51	\$6.40 \$10.94		\$12.80 \$21.88	21.3		42.5 42.5	Urban Urban	AET with Video
	stpark Tollway	2004	9/4/2023	13	\$2.70		\$3.60	20.8		27.7	Urban	AET with Video
	o RMA, SH 550	2011	7/1/2021	10	\$2.00		\$2.68	20.4		27.3	Urban	AET with Video
	oast Expressway (SR 23)	2019	7/1/2023	12	\$2.39		\$3.74	19.9		31.2	Urban	AET with Video
TX TxDOT, SH 4		2007	1/1/2024	13	\$2.58	40.00	\$3.88	19.8		29.8	Urban	AET with Video
FL CFX, SR 408	B (East-West Expressway)	1973 2018	7/1/2023 7/1/2023	22 10	\$4.36 \$1.92	\$5.50	\$8.72 \$3.84	19.8 19.8	25.0	39.6 39.6	Urban Urban	Traditional AET with Video
	iva Parkway (SR 429)	2016	7/1/2023	13	\$2.44		\$3.25	19.5		26.0	Urban	AET with Video
IL ISTHA, IL 39		2016	1/1/2024	10	\$1.90		\$3.80	19.4		38.8	Urban	AET with Video
	gny Parkway (SR 924)	1992	7/1/2018	5	\$0.94		\$1.88	18.8		37.6	Urban	AET with Video
	per Creek Expressway (SR 878)	2010	7/1/2018	3	\$0.46		\$0.92	18.4		36.8	Urban	AET with Video
TX HCTRA, Tom FL CFX, SR 453	nball Tollway	2015	9/4/2023 7/1/2023	8	\$1.35 \$0.72		\$1.80 \$1.44	18.0 18.0		24.0 36.0	Urban Urban	AET with Video AET with Video
	., Osceola Parkway	1995	5/2/2023	12	\$2.18		\$4.36	17.6		35.2	Urban	AET with Video
FL Systemwide		-	7/1/2023	125	\$21.75	\$20.00	\$43.50	17.4	15.9	34.8	Urban	Mixed AET & Traditional
TX TxDOT, SH 1	130	2007	1/1/2024	49	\$8.52		\$12.80	17.4		26.1	Urban	AET with Video
	45 Southeast	2009	1/1/2024	7	\$1.27		\$1.91	17.2		25.8	Urban	AET with Video
	hin Expressway (SR 836) ort Expressway (SR 112)	1969 1961	7/1/2018 7/1/2018	14	\$2.26 \$0.66		\$4.52 \$1.32	16.1 15.7		32.3	Urban Urban	AET with Video AET with Video
	9 (Daniel Webster Western Beltway)	2000	7/1/2018	31	\$4.85	Exception	\$9.70	15.6	Exception	31.3	Urban	Mixed AET & Traditional
	7 (Central Florida GreeneWay)	1989	7/1/2023	32	\$4.98	\$6.00	\$9.96	15.6	18.8	31.1	Urban	Traditional
	n Houston Toll Road	1988	9/4/2023	70	\$10.80		\$14.40	15.4		20.6	Urban	AET with Video
	ern Connector Extension (SR 417)	1996	7/1/2023	6	\$0.86	\$1.50	63.55	14.3	25.0	20.5	Urban	Traditional
	Boston Extension arkway (SR 570)	1964 1998	10/28/2016 7/1/2023	12 25	\$1.70 \$3.48		\$3.55 \$4.35	14.2 13.9		29.6 17.4	Urban Urban	AET with Video AET with Video
	4 (John Land Apopka Expressway)	2009	7/1/2023	9	\$1.25	\$1.50	\$2.50	13.9	16.7	27.8	Urban	Traditional
	idge, Walter Francis Spence Parkway	2014	10/1/2015	11	\$1.50		\$2.00	13.6		18.2	Urban	AET with Video
	ole Expressway (SR 417)	1989	7/1/2023	17	\$2.30	\$2.75		13.5	16.2		Urban	Traditional
	ns Expressway (SR 589)	1994	7/1/2023	15	\$2.02		\$2.61	13.5		17.4	Urban	AET with Video
	Shula Expressway (SR 874) rdy Toll Road	1974 1987	7/1/2018 9/4/2023	7 21	\$0.93 \$2.70		\$1.86 \$3.60	13.3 12.8		26.6 17.1	Urban Urban	AET with Video AET with Video
	erans Memorial Tollway	1989	1/1/2024	30	\$3.80		\$7.60	12.8		25.5	Urban	AET with Video
	B (M. Andersen Beachline Expwy)	1967	7/1/2023	23	\$2.82	\$3.50	\$5.64	12.3	15.2	24.5	Urban	Traditional
	dersen Beachline Expwy West (SR 528)	1973	7/1/2023	8	\$0.86	\$1.50		10.8	18.8		Urban	Traditional
	Webster Western Beltway (SR 429)	2005	7/1/2023	11	\$1.16	\$1.75	4	10.5	15.9		Urban	Traditional
	Kilpatrick Turnpike ass Expressway (SR 869)	1991 1986	7/25/2021 7/1/2023	31 23	\$3.20 \$2.32		\$6.65 \$2.90	10.3 10.1		21.3 12.6	Urban Urban	AET with Video AET with Video
	ast Parkway (SR 589)	2001	7/1/2023	55	\$5.50		\$6.96	10.1		12.7	Urban	AET with Video
	stead Ext of Florida's Turnpike (SR 821)	1973	7/1/2023	47	\$4.64		\$5.80	9.9		12.3	Urban	AET with Video
OK OTA, Kickap	ooo Turnpike	2020	1/25/2022	21	\$1.90		\$3.95	9.0		18.8	Urban	AET with Video
OK OTA, Creek		1992	2/7/2023	34	\$3.00		\$6.70	8.7		19.5	Urban	AET with Video
	hite Parkway Extension	1988	7/1/1999	10	\$0.75	\$0.75	ć1 7c	7.5	7.5	12.5	Urban	Traditional
	gara Thruway State Tollway	1959 1958	1/1/2024 1/1/2024	14 77	\$1.00 \$4.50		\$1.75 \$9.00	7.1 5.8		12.5	Urban Urban	AET with Video AET with Video
	,	1958	1/1/2024	15							2.50	
FL FDOT, Pinel	w England Thruway			10	\$0.87		\$1.53	5.8		10.2	Urban	AET with Video

1.3.3 ELASTICITY

The effect of a change in toll rates on T&R can be analyzed with the microeconomic concept of elasticity. Elasticity represents the relative change in traffic (or revenue) as the result of a relative change in toll rate with other factors held constant. Generally, several factors can affect elasticity, including diversion to competing facilities, changes in travel modes, trip consolidation/trip chaining, and/or adjustment in the timeframe of travel. The effects of changes in toll rate on the various facilities of the CFX System depend on the value of travel time savings, the availability of alternative parallel highways, local driver's knowledge of alternative/substitute routes and the level of congestion. Evaluating the degree of elasticity of a historic toll rate increase on the CFX facilities provides guidance in forecasting the elasticity of future toll rate increases.

Elasticity is calculated as the percentage change in traffic (or revenue) divided by the percentage change in toll rate. Traffic elasticity typically (and logically) has a negative algebraic sign, in that an increase in toll results in a reduction in traffic. For traffic, the higher the absolute value of elasticity the greater the decline in traffic. Typically, but with limitations, revenue elasticity has a positive algebraic sign. An elasticity value of 1.0 would represent a case in which the response to a change in toll was unitary (perfectly elastic). That is, the relative change in revenue would be the same as the change in toll rate. Expected elasticity values are lower than 1.0, or relatively inelastic, which would yield smaller percentage decreases in traffic, and consequently smaller revenue increases.

The effect of the July 2018 toll rate increase on traffic was not profound for several reasons. This rate increase was the first indexing of toll rates to the Consumer Price Index (CPI). For calendar year 2018 the change in CPI was calculated at 2.05%, which calculated to a few pennies at most toll locations. To estimate the elasticity of the FY 2019 toll rate increase, T&R from two months (May and June) in FY 2018 was compared against the T&R for the two months after the increase in FY 2019 and adjusted for seasonality. The overall growth on the facilities overshadowed the effect of the toll rate increase, which resulted in no noticeable traffic elasticity. The most recent toll rate adjustment of 5.076% in July 2022 (FY 2023) also resulted in no noticeable traffic elasticity due to continued traffic growth and recovery following the COVID-19 pandemic.

Another recent toll rate adjustment was in July 2012. This rate increase created a toll differential for the first time on CFX facilities. Electronic toll rates were increased by 9.0 percent, which equates to between \$0.03 and \$0.12 depending on the location. Cash toll rates were increased by \$0.25 at most locations, based on the policy to round the cash rate up to the next quarter. There was a shift in the method of payment from cash to ETC because of the rate increase, as customers took advantage of the toll rate differential. To determine elasticity of the FY 2013 toll rate increase, T&R from four months (July – October) in FY 2012 was compared against the T&R for the same four months in FY 2013. Comparing the traffic from the same timeframe of the prior year avoided seasonality issues but involved issues of growth in traffic. The impacts from the July 1, 2012 toll rate adjustment on T&R, including the calculated elasticity for a four-month period (July through October) are presented in **Table 1-4**.

	Toll	Tra	ffic	Revenue			
Facility	Increase	Impact	Elasticity	Impact	Elasticity		
S.R. 528	11%	1.3%	n/a	12.5%	n/a		
S.R. 408	13%	-1.8%	-0.14	10.8%	0.83		
S.R. 417	14%	-1.9%	-0.14	12.1%	0.86		
S.R. 429	15%	0.7%	n/a	15.3%	n/a		
S.R. 414	17%	13.7%	n/a	33.6%	n/a		
S.R. 453	n/a	n/a	n/a	n/a	n/a		

Table 1-4
Elasticity of July 2012 Toll Rate Increase

The traffic elasticity on both S.R. 408 and S.R. 417 was -0.14, with a very minor impact to the traffic. S.R. 528 was excluded from the elasticity calculation due to the recent opening of Dallas Boulevard Main Plaza and the reduction of the \$1.50 toll rate to \$0.75 at Beachline Main Plaza. S.R. 429 and S.R. 414 were excluded from the elasticity calculation since these facilities experienced increases in traffic over the period. Both facilities had just recently opened to traffic with higher initial annual growth rates and had influences beyond the toll rate change. These facilities also serve areas that were still experiencing development growth, as compared to S.R 408 and S.R. 417 that served developed urban areas of Orlando.

S.R. 408 and S.R. 417 had revenue elasticity of 0.83 and 0.86, respectively. This means that some customers responded to the toll rate increase by using alternative routes or switching from cash to ETC. For the entire CFX System, ETC participation increased approximately 4.0 percent over the prior year (July – October). The 4.0 percent increase was not entirely a result of the conversion of cash customers to ETC because normal growth is embedded in the T&R calculations, and it is difficult to identify and remove.

1.4 Sustainability

As part of CFX's commitment to explore more sustainable practices, the Authority adopted a Sustainability Study in April of 2019 and has begun to implement several key recommended elements. These key elements include deployment of Photovoltaic (PV) power solutions, improved energy efficiency at CFX buildings and readiness for vehicle electrification. The first PV project CFX implemented was at the Hiawassee Mainline toll plaza on S.R. 408. Elevated ground mount PV

arrays were installed in the dry retention ponds adjacent to the toll plaza and provided connections to two (2) meter locations that power the Hiawassee Data Center (~320 kW) and the Mainline Plaza Building (~250kW). CFX has also piloted a floating PV installation which includes onsite power storage to power a Dynamic Message Sign (DMS) on S.R. 429 near the Schofield Road interchange and another floating PV installation at the Independence Main Plaza building (160 kW). CFX has funded an additional five PV (or solar) deployment projects,



including installations at eight toll plaza facilities with a total capital investment of just under \$10M in the FY 2024 – FY 2028 work plan.

To identify improvements for energy efficiency at CFX buildings, an energy audit was conducted at the headquarters building. The energy audit provided several recommendations including implementation of internal LED lighting, advancements in lighting controls and HVAC controls among other low-cost/high return energy reductions. Next steps for sustainability include replacing appropriate fleet vehicles with all-electric or Plug-in Hybrid vehicles (PHEV). The Sustainability Study found that converting a single traditional combustion vehicle to a PHEV or Battery Electric vehicle (BEV) would prevent release of 5- 10 thousand pounds of carbon dioxide annually.



CFX is also collaborating with Utah State University's Advancing Sustainability through Powered Infrastructure for Roadway Electrification (ASPIRE) research center to test an EV charging solution for new expressways. An inpavement dynamic wireless charging pilot program is under design for the S.R. 516/Lake Orange Expressway expansion project, and a prototype

concrete panel supporting the wireless inductive charging technology was successfully tested in September 2023.

1.5 System Historical Transactions and Toll Revenues

1.5.1 DEFINITIONS

When a customer drives through a CFX toll location and pays the toll, the transaction and revenue is classified as "paid in-lane." The customer has the option to pay the toll in the lane with cash or through ETC. When a customer drives through a CFX toll location and does not pay the toll while passing through, the transaction and revenue is classified as "unpaid in-lane." The only way for the customer to pay the toll afterwards is through a process known as Pay By Plate (PBP). Non-revenue producing transactions are another very small portion of unpaid in-lane transactions. Total transactions are the sum of paid in-lane and unpaid in-lane transactions. Total revenue is the sum of paid in-lane revenue and the revenue collected through PBP, estimated as an accrued amount.

PBP toll invoicing is an option for customers that do not pay the toll in the lane and choose to forgo the benefits of lower ETC toll rates. With PBP, an image of the customer's license plate is captured when the vehicle passes through the toll location. During processing, the PBP toll rate for that plaza, which is twice the ETC toll rate as of July 1, 2020 (FY 2021), is charged to the vehicle's owner. A monthly toll invoice is generated and mailed to the registered owner of the vehicle. Payment is due within 30 days to avoid toll violations and fines. The following section includes a breakdown of transactions and revenues by paid in-lane and PBP.

1.5.2 ANNUAL PAID IN-LANE TRANSACTION AND REVENUE TRENDS

A history of annual paid in-lane transactions and revenues for the seven toll facilities from FY 2013 to FY 2023 is presented in **Table 1-5**. The annual data is based on the CFX Monthly Statistical Reports and is not reconciled to the audited fiscal year end results. Also, more detailed information on history is presented in Chapters 3 through 9 of this report. These historical tables do not include PBP transactions and revenues, only those that are paid in-lane. For this and other reasons, the information presented in this section may differ slightly from the data presented in the FY 2023 Annual Comprehensive Financial Report (ACFR) and other information in this report.

Historical paid in-lane transactions for the CFX System since FY 2013 are displayed in **Figure 1-3**. The green line represents the number of paid in-lane transactions and shows how overall transactions have increased over the last 10 years. The bars represent the annual growth (percent change) of transactions. The same information for paid in-lane revenues is depicted in **Figure 1-4**. Paid in-lane transaction and revenue growth patterns exhibited on the System are similar.

From FY 2014 through FY 2016, transactions on CFX facilities grew at faster rates than those seen prior to the Great Recession, a period of extraordinary growth. Since FY 2016, paid in-lane transactions increased over prior years, but growth has tapered off, in part due to the migration from paid in-lane to PBP. Paid in-lane revenues grew to \$433.4 million in FY 2018.

In October 2016 (FY 2017), Hurricane Matthew tracked parallel to the Florida coast as a Category 3 storm with winds up to 130 miles per hour. Tolls were suspended on the CFX System beginning at 8:00 pm on October 5, 2016 through early on October 10, 2016. The toll suspension resulted in a loss of approximately 4.6 million transactions and \$4.5 million in toll revenues on the CFX System. In September 2017 (FY 2018), Hurricane Irma tracked parallel to the Florida coast as a Category 4 storm with winds up to 155 miles per hour. Tolls were suspended on CFX toll facilities beginning on September 5, 2017 through September 20, 2017 resulting in a transaction loss of approximately 19.3 million and a toll revenue loss of \$19.2 million on the CFX System. In FY 2019, both transactions and revenue increased over FY 2018, despite the impacts of the storms, but also in part due to natural growth on these facilities. Paid in-lane transactions and revenue were 0.9 percent higher and 3.4 percent higher, respectively, than FY 2018. The slower growth in transactions and revenues in FY 2019 can be also attributed in part to an increase in customers utilizing the PBP program. Additionally, some CFX expressways experienced reductions in paid inlane transactions potentially due shift of SunPass® transaction processing to the state's Centralized Customer Service System (CCSS) that year. It should be noted that CFX systemwide PBP transactions more than doubled in FY 2019, from 21.6 million during the prior year to 43.6 million.

In FY 2020, both transactions and revenue decreased, due to the negative impacts of the COVID-19 pandemic. Because the fiscal year begins in July, FY 2020 only included four months of the impacts of the COVID-19 pandemic. Thus, although April 2020 (FY 2020) contained the deepest impacts of the COVID-19 pandemic, additional impacts also occurred during the early months of FY 2021, which included a full year of travel reductions and the initial recovery. Paid in-lane transactions and revenue were 11.2 percent lower and 9.2 percent lower, respectively, than FY 2019. More customers continued to use the PBP program as well due to the suspension of cash

tolls on all CFX facilities from March 19, 2020 to May 31, 2020. September 2019 transactions and revenues were also negatively impacted by toll suspensions during Hurricane Dorian. Tolls were suspended on CFX toll facilities beginning on September 1, 2019 through September 5, 2019 resulting in a transaction loss of approximately 5.3 million and a toll revenue loss of \$5.4 million.

Table 1-5 System Totals - Historical Paid In-Lane Transactions and Revenue FY 2013 - FY 2023

Fiscal Year Ending	S.R. 528	S.R. 408	S.R. 417	S.R. 429	S.R. 414	S.R. 453	S.R. 538	TOTAL	Percent Change		
TRANSACTIONS (millions)											
2013 ^A	57.6	123.5	90.3	27.2	8.3			306.9	-		
2014	59.7	129.7	97.2	30.7	9.5			326.8	6.5%		
2015	64.3	138.2	109.3	35.2	10.6			357.6	9.4%		
2016 ^B	71.5	146.2	127.4	41.2	12.0			398.3	11.4%		
2017 ^c	76.8	147.7	138.1	45.5	12.8			420.9	5.7%		
2018 ^{D,E,F}	76.7	145.2	145.9	51.7	13.4	0.5		433.4	3.0%		
2019*	77.1	141.1	145.5	57.6	13.9	2.2		437.4	0.9%		
2020 ^{* G,H}	68.0	124.7	125.9	52.7	13.1	2.3	1.7	388.4	-11.2%		
2021*1	62.8	130.9	122.4	54.1	13.4	3.0	3.9	390.5	0.5%		
2022*	79.1	155.8	146.7	64.0	15.2	3.9	4.8	469.5	20.2%		
2023 ^{*J}	82.5	157.6	148.2	64.6	14.1	4.7	4.6	476.3	1.4%		
TOLL REVENUES (millions)											
2013 ^A	\$54.5	\$119.3	\$91.2	\$29.4	\$7.7			\$302.1	-		
2014	\$56.3	\$125.2	\$98.3	\$33.5	\$9.1			\$322.4	6.7%		
2015	\$60.4	\$133.0	\$110.4	\$38.9	\$10.4			\$353.1	9.5%		
2016 ^B	\$66.7	\$140.1	\$129.0	\$46.1	\$12.0			\$393.9	11.6%		
2017 ^c	\$71.8	\$141.0	\$140.4	\$51.7	\$13.0			\$417.9	6.1%		
2018 ^{D,E,F}	\$71.8	\$138.3	\$148.4	\$58.3	\$13.8	\$0.3		\$430.9	3.1%		
2019 [*]	\$73.8	\$136.6	\$152.6	\$66.7	\$14.6	\$1.3		\$445.6	3.4%		
2020 ^{* G,H}	\$66.4	\$123.3	\$133.9	\$62.5	\$14.1	\$1.6	\$2.8	\$404.6	-9.2%		
2021*1	\$62.4	\$133.8	\$131.2	\$64.9	\$14.8	\$2.1	\$6.6	\$415.8	2.8%		
2022*	\$79.9	\$163.0	\$161.6	\$78.5	\$17.3	\$2.9	\$8.3	\$511.5	23.0%		
2023 ^{*J}	\$86.1	\$172.8	\$171.5	\$81.6	\$16.7	\$3.6	\$8.5	\$540.8	5.7%		

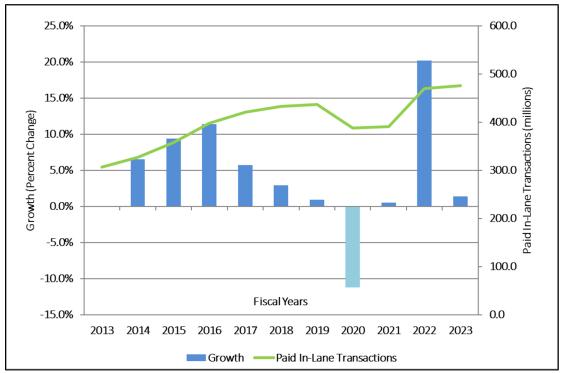
*Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

- A Systemwide toll rate increase in July 2012. Implementation of cash and electronic toll rate differential.
- B Beachline Airport Main plaza closed in March 2016. C Effects from Hurricane Matthew in October 2016.
- D Effects from Hurricane Irma in September 2017.
- E Ponkan Main Plaza opened in July 2017.
- F Mt. Plymouth Main Plaza and Coronado Main Plaza opened in April 2018.
- G Poinciana Parkway acquired by CFX in December 2019
- H Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- I Continued effects of COVID-19 pandemic.
- J Effects from Hurricane Ian in September and October 2022.

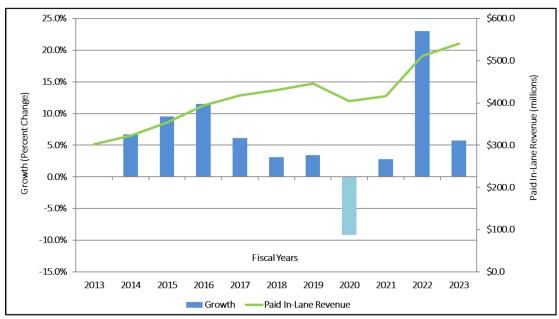
In FY 2021, total System transactions and revenue increased 0.5 percent and 2.8 percent respectively, compared to FY 2020. This slow growth can be partially attributed to the continued recovery from the COVID-19 pandemic. However, CFX system revenues increased at a higher rate than transactions due to the FY 2021 toll rate adjustment. In FY 2022, total System transactions and revenue increased 20.2 percent and 23.0 percent respectively, compared to FY 2021. The increases in both transactions and revenue reflects the recovery from the negative impacts of the COVID-19 pandemic. The FY 2022 toll rate adjustment was another factor in the increase in revenue.

Figure 1-3 CFX System Historical Paid In-Lane Transactions and Annual Growth FY 2013 - FY 2023



Source: Monthly unaudited data provided by CFX

Figure 1-4
CFX System Historical Paid In-Lane Revenue and Annual Growth
FY 2013 – FY 2023



Source: Monthly unaudited data provided by CFX

In FY 2023, System total paid in-lane transactions increased by 1.4 percent and paid in-lane revenues increased by 5.7 percent compared to FY 2022. Despite the increase over FY 2022, September and October 2022 transactions and revenues were negatively impacted by toll suspensions during Hurricane Ian. Tolls were suspended on CFX toll facilities beginning at 5:00 PM on September 27, 2022 through 6:00 AM on October 15, 2022 (over 17 days) resulting in a transaction loss of approximately 26.6 million and a toll revenue loss of \$33.4 million on the CFX System.

1.5.3 ANNUAL PAID IN-LANE TRANSACTIONS AND REVENUE BY FACILITY

Figure 1-5 contains a summary of the FY 2023 paid in-lane transactions and revenues by facility, both the number and as a percentage of the System. The largest share of the paid in-lane transactions and revenue were reported on S.R. 408, with 33.1 percent, or 157.6 million of the paid in-lane transactions and 31.9 percent, or \$172.8 million of the revenues. Paid in-lane transactions on S.R. 417 were 31.1 percent of the System or 148.2 million and paid in-lane revenues were 31.7 percent of the System or \$171.5 million. S.R. 528 comprised 17.3 percent, or 82.5 million of the paid in-lane transactions and 15.9 percent, or \$86.1 million of the paid in-lane revenues. S.R. 429 paid in-lane transactions represented 13.5 percent, or 64.6 million of the System transactions and 15.1 percent, or \$81.6 million of the System revenues. S.R. 414 paid in-lane transactions were reported at 14.1 million or 3.0 percent, while paid in-lane revenues were reported at \$16.7 million or 3.1 percent of the System revenues. Paid in-lane transactions on S.R. 453 were 4.7 million or 1.0 percent of the System and revenues were \$3.6 million or 0.7 percent of the System. S.R. 538 represented 4.6 million or 1.0 percent of System transactions and \$8.5 million or 1.6 percent of System revenues for FY 2023.

Transactions Toll Revenues 1.0% 0.7% 3.0% 4.7m 3.1% \$3.6m 14.1m \$16.7m 1.0% 1.6% 4.6m 17.3% 15.9% \$8.5m 13.5% 15.1% 82.5m \$86.1m 64.6m \$81.6m 31.7% 31.9% 31.1% 33.1% \$171.5m \$172.8m 157.6m 148.2m SR 528 SR 408 SR 417 SR 429 SR 414 SR 538

Figure 1-5
CFX System Paid In-Lane Transactions and Revenue by Facility
FY 2023

Source: Monthly unaudited data provided by CFX

1.5.4 ANNUAL PBP TRANSACTION AND REVENUE TRENDS

A history of annual PBP transactions and revenue on the total CFX System from FY 2013 to FY 2023 are presented in **Table 1-6**. PBP transactions and revenue are recorded by toll location and accrued monthly by plaza group for each facility, however Table 1-6 shows the annual totals for the CFX System as reported at year end.

Table 1-6
CFX System – Historical PBP Transactions and Revenue
FY 2013 – FY 2023

Fiscal Year	Transactions (millions)	Percent Change	Toll Revenues (millions)	Percent Change
2013	5.4	22.7%	\$6.9	1
2014	6.8	25.9%	\$8.4	21.7%
2015	8.8	29.4%	\$11.0	31.0%
2016	12.2	38.6%	\$15.7	42.7%
2017	14.6	19.7%	\$22.4	42.7%
2018	21.6	47.9%	\$24.4	8.9%
2019	43.6	101.9%	\$49.9	104.5%
2020	48.6	11.5%	\$57.7	15.6%
2021	52.9	8.8%	\$103.9	80.1%
2022	59.9	13.2%	\$119.9	15.4%
2023	62.0	3.5%	\$130.2	8.6%

Source: Monthly unaudited data provided by CFX

PBP transactions have increased from 5.4 million in FY 2013 to 62.0 million in FY 2023, while PBP revenues have increased from \$6.9 million to \$130.2 million over the same period. In FY 2023, PBP transactions increased 3.5 percent and PBP revenues increased 8.6 percent over FY 2022. As shown in the table, the rate of growth in PBP transactions is recently trending downward. During the early part of the COVID-19 pandemic, cash toll collection was suspended for several months. For this reason, PBP transactions and revenue increased year-over-year in FY 2020 and in FY 2021. The significant increase in PBP revenues in FY 2021 can also be attributed to the new PBP toll rate adopted by the CFX Board that went into effect on July 1, 2020 (FY 2021). At that time, the PBP toll rate at all toll locations was increased to twice the ETC toll rate, reflecting the cost to collect PBP tolls. Because of the new PBP toll rate, it was anticipated that going forward a portion of customers paying via PBP will switch to ETC to avoid the higher toll rate. However, recent trends do not reflect this result. This may be due to customer travel frequency and/or the convenience of PBP compared to establishing a transponder account. Very small growth in FY 2023 PBP transactions could be the beginning of this trend, but it is difficult to determine due to the negative impacts of Hurricane Ian.

1.5.5 MONTHLY PAID IN-LANE TRANSACTION SEASONAL VARIATION

In **Table 1-7**, monthly paid in-lane transactions are normalized to the average number of paid in-lane transactions per day. Considering the average number of transactions per day allows for an easy comparison of the variations in relative travel demand over the year. The pattern of seasonal usage changes slightly from year to year, based on the number of weekdays in each month. Due to the toll suspensions during Hurricane Ian, September average daily transactions were adjusted to only include 27 days of toll collection during the month and October was adjusted to only 17 days of toll collection to normalize the data.

Average transactions per day in FY 2023 Systemwide ranged from a low of 1,230,100 in July 2022 to a high of 1,598,400 in March 2023. March is typically the month with the highest average number of transactions per day due to the large number of tourists and seasonal residents in the area during the spring, but this fiscal year the March numbers were significantly higher than normal. These data are presented in a graphical format in **Figure 1-6**. The transactions for each month appear as a percentage of the average for the fiscal year. March paid in-lane transactions were 16.8 percent above average and July paid in-lane transactions were 10.1 percent below average for the facility.

Table 1-7
CFX System - Monthly Seasonal Variation in Paid In-Lane Transactions
FY 2023

	Number of	Paid In-Lane	Average	Seasonal
Month	Days in Month	Transactions	Transactions Per Day	Factor
July	31	38,132,250	1,230,100	0.899
August	31	40,299,350	1,300,000	0.950
September	27	36,135,958	1,338,400	0.978
October	17	23,482,708	1,381,300	1.009
November	30	38,718,551	1,290,600	0.943
December	31	41,064,269	1,324,700	0.968
January	31	41,326,721	1,333,100	0.974
February	28	38,830,352	1,386,800	1.013
March	31	49,549,340	1,598,400	1.168
April	30	43,532,127	1,451,100	1.060
May	31	43,883,013	1,415,600	1.034
June	30	41,375,670	1,379,200	1.008
Average		39,694,192	1,368,800	1.000
Total Year	348	476,330,309		

Source: Monthly unaudited data provided by CFX

16.8% 12% % Variation from Yearly Average 6.0% 6% 3.4% 1.3% 0.9% 0.8% 0% -2.2% -2.6% -3.2% -6% -5.0% -5.7% -10.1% -12% Systemwide Average Transactions Per Day = 1,368,800

Figure 1-6
CFX System Variation in Paid In-Lane Transactions Per Day, by Month
FY 2023

Source: Monthly unaudited data provided by CFX

1.5.6 PAID IN-LANE TRANSACTIONS BY VEHICLE CLASS

The distribution of paid in-lane transactions at each of the mainline plazas systemwide by vehicle class (number of axles) for FY 2023 is shown in **Table 1-8**. Overall, 95.1 percent of transactions systemwide were made by 2-axle vehicles. The next most frequent vehicle class was the 5-or-more axle classification, which accounted for 2.0 percent of transactions on the facility. 3-axle vehicles, which include delivery and service vehicles, accounted for 1.7 percent. Four-axle vehicles represented the smallest category with only 1.2 percent of facility transactions. The highest percentage of two-axle vehicles occurs on S.R. 538 (96.9 percent), the highest percent of three-or-four-axle vehicles (light trucks) occurs on S.R. 429 and S.R. 414 (2.3 percent) and the highest percentage of five-or-more-axle vehicles (heavy trucks) occurs on S.R. 528 (4.1 percent).

Table 1-8
Systemwide Percent of Paid In-Lane Transactions by Vehicle Class
FY 2023

Vehicle Class	S.R. 528	S.R. 408	S.R. 417	S.R. 429	S.R. 414	S.R. 453	S.R. 538	Systemwide Total
2-Axle	92.8%	96.8%	95.3%	92.4%	94.2%	94.6%	96.9%	95.1%
3-Axle	1.8%	1.3%	1.7%	2.3%	2.3%	2.1%	1.4%	1.7%
4-Axle	1.3%	0.9%	1.1%	2.0%	1.7%	1.6%	1.0%	1.2%
5 or More Axles	4.1%	1.0%	1.9%	3.3%	1.8%	1.7%	0.7%	2.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Unaudited Lane transaction data – May 2023

1.5.7 DAY-OF-WEEK TRANSACTION VARIATION

Figure 1-7 contains a comparison of transactions by day of week in FY 2023. These data are presented as an index, where the average day equals 100. An index value of 100 for a given day of the week would indicate that day's transactions were precisely the same volume as the facility's average. A value of 120 indicates a day that has a 20 percent greater volume than the average. As was done in prior years, the data used for this analysis was for a typical week in May 2023. The data includes transactions at mainline plazas only (no ramps).

FY 2023 weekday transactions on the CFX system fluctuated over the course of the five-day work week. Transactions were highest on Fridays, with an index value of 111.2 (11.2 percent higher than the average day), and volumes on Monday through Thursday ranged from index values of 101.9 to 107.5. Saturday and Sunday volumes were significantly lower with index values of 91.8 and 78.2, respectively. The steady volumes on Saturdays and Sundays can be attributed to tourism and recreational/beach-related travel using CFX facilities systemwide.

120 100 80 60 111.2 107.5 106.3 103.2 101.9 91.8 40 78.2 20 0 Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Figure 1-7
Systemwide Variation in Transactions by Day of Week
FY 2023

Source: Unaudited Lane transaction data – May 2023

1.5.8 TRANSACTIONS AND REVENUE BY PAYMENT METHOD

The percentage and distributions of transactions and revenue by payment method for the overall year and by month during FY 2023 are presented in **Figure 1-8**, **Figure 1-9**, and **Figure 1-10**. Customers pay tolls in one of three ways: cash, ETC, and PBP. As defined earlier in this chapter, paid in-lane transactions and revenue include cash and ETC payments made when a customer travels through a CFX toll location. The remaining transactions and revenue are classified as unpaid in-lane, which includes PBP and a small portion of non-revenue transactions. PBP transactions and revenues are estimated monthly based on a FY 2023 accrual rate of 50 percent of all unpaid inlane transactions. This means that the PBP transactions and revenue shown here are estimates of the levels that will eventually pay tolls through the PBP process.

As shown in Figure 1-8, overall, ETC accounted for 86.2 percent of total transactions on the system. PBP accounted for 11.5 percent of total transactions on the system. Cash accounted for the remaining 2.3 percent of total transactions on the system. The share of toll revenues by payment method is comparable to the share of transactions, recognizing the differences in the toll paid by payment method. Overall, ETC accounted for 78.2 percent of total revenue on the system. PBP accounted for 19.4 percent of total revenue on the system. Cash accounted for the remaining 2.4 percent of total revenue on the system.

Transactions
2.3%
2.4%
11.5%
86.2%
86.2%
78.2%
Source: Monthly unaudited transaction data provided by CFX

Figure 1-8
Systemwide Percent Transactions and Revenue by Payment Method
FY 2023

As shown in Figure 1-9, ETC transactions on the system ranged from a low of 23.0 million in October 2022 (due to toll suspensions during Hurricane Ian) to a high of over 48.0 million in March 2023. The PBP transactions ranged from a low of 3.0 million to a high of nearly 6.0 million. Cash transactions ranged from a low of approximately 0.6 million to a high of 1.4 million.

As shown in Figure 1-10, ETC revenue on the system ranged from a low of \$26.0 million in October 2022 to a high of \$55.0 million in March 2023. The PBP revenue ranged from a low of \$6.0 million to a high of \$12.5 million. Cash revenue ranged from a low of \$0.8 million to a high of \$1.8 million.

The differences in revenue performance by payment method is explained by differences in the toll rates. ETC customers pay the preferred toll rate; cash customers pay at least 10 percent higher rate than ETC rate; and PBP customers pay twice the ETC rate.

60.0 50.0 40.0 Fransactions (Millions) 30.0 Cash PBP 20.0 ■ ETC 10.0 0.0 Pados Mat 2023 Septon 027072 MON 2022 4802023 Jun 2023 No. 1033

Figure 1-9
Systemwide Monthly Transactions by Payment Method
FY 2023

Source: Monthly unaudited transaction data provided by CFX

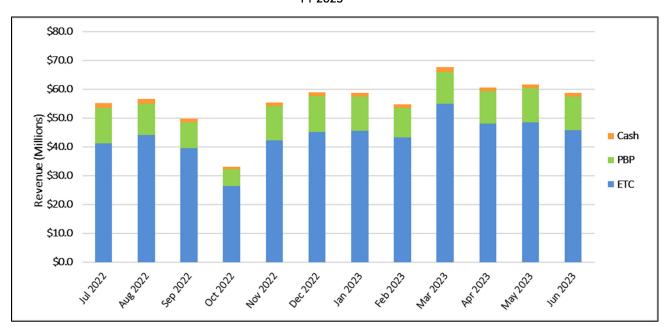


Figure 1-10 Systemwide Monthly Revenue by Payment Method FY 2023

1.5.9 RECENT TRENDS

Several T&R trends influenced recent system performance and will continue to influence future results. Some of these are long-term trends and others have been developing over the past few years. We have used the latest information data for the first few months of FY 2024 for the analysis in this section.

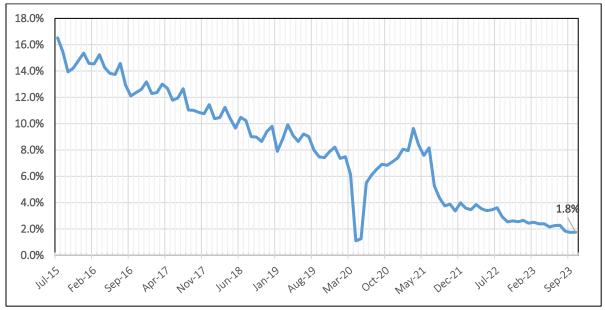
The proportion of paid in-lane transactions paid with cash has been declining. **Figure 1-11** contains a graph of the proportion paid with cash by month. At the beginning of FY 2016, approximately 16.5 percent of paid in-lane transactions were paid with cash. During the first few months of FY 2024, only 1.9 percent of these paid in-lane revenue transactions were paid with cash. An increasing share of the customers who pay in the lane are paying with ETC. The period when cash toll collection was suspended, from March 19, 2020 to May 31, 2020, is visible in the graph.

The proportion of transactions paid in-lane has also been declining for some time. **Figure 1-12** is a graph with the proportion of all transactions that were paid in-lane since FY 2010. In FY 2010, 99.3 percent of all transactions were paid with cash or ETC, i.e., paid in-lane transactions. In FY 2023, this number dropped to 92.8 percent. Over the past few years, paid in-lane transactions have started to increase again, mostly likely due to the implementation of the PBP toll rate to twice the ETC rate. Because of the new PBP toll rate, it is anticipated that going forward a portion of customers paying via PBP will switch to ETC to avoid the higher toll rate.

Customers can pay with cash at every toll location except the five toll locations associated with the recently opened S.R. 429/Wekiva Parkway and the recently opened and acquired S.R. 538/Poinciana Parkway. CFX offers convenient ways for customers to obtain transponders

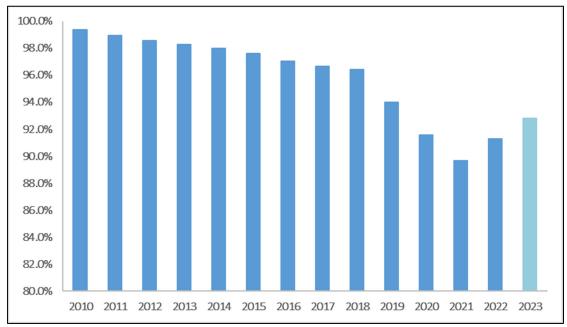
(including free sticker tags) and provides easy ways to add funds to their accounts (including the use of cash in the reload lanes at all mainline toll plazas).

Figure 1-11
Proportion Paid In-Lane Transactions Paid with Cash by Month, July 2015 to October 2023



Source: CFX Monthly T&R Analysis

Figure 1-12
Proportion of Transactions Paid In-Lane
FY 2010 – FY 2023



Source: CFX FY 2023 ACFR

The higher proportion of customers choosing PBP means that it takes CFX a longer time and costs more to collect the toll. Furthermore, CFX is not always able to collect all toll revenue owed by PBP customers. Like the private sector, CFX has added an accounts receivable (AR) for unpaid in-lane revenues. The December 2023 aging report is provided in **Table 1-9**. A portion of the initial unpaid in-lane transactions are recognized and reclassified as transactions by ETC account holders (M-Tolls). In FY 2023, CFX accrued revenue for unpaid in-lane transactions at approximately 50 percent of the initial billed amount. After 24 months, CFX is able to collect approximately 67.4 percent of unpaid in-lane revenues.

Table 1-9 CFX PBP Aging Report As of December 31, 2023

CENTRAL FLORIDA EXPRESSWAY AUTHORITY PAY BY PLATE AGING REPORT AS OF DECEMBER 31, 2023

Month UTN/PBP was Created	Total Transactions Associated with an UTN/PBP(1)	Toll Revenue Billed	Toll Revenue Paid-to-Date	Toll Revenue M-Tolled-to- Date(2)	Total Toll Revenue Collected-to- Date	Percentage of Billed Revenue Collected-to- Date
Dec-21	7,638,247	\$14,465,676.59	\$6,175,303.46	\$3,568,502.00	\$9,743,805.46	67.36%
Jan-22	7,662,758	\$14,510,143.82	\$6,055,910.79	\$3,662,367.00	\$9,718,277.79	66.98%
Feb-22	8,015,050	\$15,126,827.05	\$6,193,358.21	\$3,795,622.00	\$9,988,980.21	66.03%
Mar-22	7,287,760	\$13,785,939.54	\$5,714,856.62	\$3,483,219.00	\$9,198,075.62	66.72%
Apr-22	7.826.260	\$14.878.364.57	\$6,141,373,52	\$3,617,619,00	\$9,758,992,52	65.59%
May-22	8,191,160	\$15,571,561.25	\$6,240,820.72	\$3,817,592.00	\$10,058,412.72	64.59%
Jun-22	8,713,921	\$16,578,119.85	\$6,621,956.80	\$4,016,199.00	\$10,638,155.80	64.17%
Jul-22	7,765,468	\$15,078,443.95	\$6,035,670.51	\$3,611,358.00	\$9,647,028.51	63.98%
Aug-22	8,397,845	\$16,680,444.95	\$6,520,272.89	\$4,012,479.00	\$10,532,751.89	63.14%
Sep-22	8,730,315	\$17,246,795.68	\$6,572,357.05	\$4,172,935.00	\$10,745,292.05	62.30%
Oct-22	4,274,460	\$8,444,335.05	\$3,303,488.64	\$2,044,700.00	\$5,348,188.64	63.33%
Nov-22	7,660,725	\$15,131,344.43	\$5,725,838.38	\$3,428,725.00	\$9,154,563.38	60.50%
Dec-22	8,323,596	\$16,650,951.60	\$6,284,359.37	\$3,862,108.00	\$10,146,467.37	60.94%
Jan-23	7,533,457	\$15,060,592.08	\$5,472,175.53	\$3,574,911.00	\$9,047,086.53	60.07%
Feb-23	10,702,431	\$21,367,074,12	\$7,118,169.67	\$4,839,879.00	\$11,958,048.67	55.96%
Mar-23	7,671,571	\$15,436,148.71	\$5,111,305.12	\$3,177,366.00	\$8,288,671.12	53.70%
Apr-23	8,169,187	\$16,508,015.37	\$5,656,921,64	\$3,436,239,00	\$9.093,160,64	55.08%
May-23	8,425,285	\$17,068,831.08	\$5,204,231.64	\$3,262,358.00	\$8,466,589.64	49.60%
Jun-23	9,086,523	\$18,464,811,48	\$5,381,026,56	\$3,177,060.00	\$8,558,086,56	46.35%
Jul-23	8,168,710	\$16,786,895.07	\$4,719,848.00	\$2,606,700.00	\$7,326,548.00	43.64%
Aug-23	8,496,762	\$17,652,216.48	\$4,655,995.98	\$2,456,083.00	\$7,112,078.98	40.29%
Sep-23	8,464,479	\$17,478,748.66	\$4,103,707.49	\$2,152,105.00	\$6,255,812.49	35.79%
Oct-23	9,151,159	\$18,995,044.07	\$3,945,670.70	\$1,917,877.00	\$5,863,547.70	30.87%
Nov-23	9,062,768	\$18,852,367.17	\$3,062,219.38	\$1,437,721.00	\$4,499,940.38	23.87%
Dec-23	8,698,194	\$18,084,550.56	\$1,313,401.34	\$685,264.00	\$1,998,665.34	11.05%
TOTALS	204,118,091	\$405,904,243.18	\$133,330,240.01	\$79,816,988.00	\$213,147,228.01	52.51%

⁽¹⁾ Transactions associated with an PBP could have occurred up to one year prior to PBP creation.

Source: CFX Statistical Report December 2023

⁽²⁾ M-tolls are paid from an E-PASS account after the PBP is created.

1.6 ETC

In 1994, CFX introduced the first ETC program in Florida, known as E-PASS. During that year there were approximately 2,300 E-PASS transponders in use on the System. As of FY 2023 the number has grown to 1.94 million transponders and nearly 1.4 million active E-PASS accounts.

In FY 2013, E-PASS became interoperable with North Carolina Quick Pass and Georgia Peach Pass. This means that Quick Pass and Peach Pass transponders are accepted on CFX facilities and E-PASS transponders are accepted on the North Carolina and Georgia facilities. ETC usage is still expected

to increase as customers shift to ETC to take advantage of the lower ETC toll rate and convenience of paying tolls electronically, especially with implementation of PBP toll rates that are now twice the ETC toll rate as of July 2020 (FY 2021).

Beginning May 11, 2016, CFX implemented a pilot program called The Reload Lane to encourage and increase E-PASS usage. CFX offered this drive-through lane on S.R. 408 at the Conway Main Plaza for customers to sign up for an E-PASS electronic transponder or replenish an existing E-PASS account from 6:00 a.m. to 8:00 p.m. daily. This program was the first of its kind in the continental United States and provided customer convenience and multiple payment options (cash, check, and debit/credit card). The program was expanded to S.R. 417 and S.R. 429 in FY 2017. Due to the success of this program, the CFX Board approved the expansion of the Reload Lane capabilities to all staffed toll plaza lanes on all system facilities. This conversion is expected to be completed in FY 2023.



The Customer Loyalty Discount Program introduced in May 2016 provided discounts to frequent users of all facilities for E-PASS transactions. This program is discussed in more detail in **Section 1.3.1** of this chapter. CFX also began offering CollegePass in its first branded E-PASS partnership with the University of Central Florida (UCF), the University of Florida (UF) and Florida State University (FSU). These special sticker tags cost \$18.50 plus tax in addition to the \$10 activation fee for a prepaid toll account. CollegePass works the same way as regular sticker tag transponders and offers the same discounts and benefits exclusive to E-PASS customers. Regular sticker tags are still available at no cost to the customer.

In November 2017, CFX announced the development of an interoperability agreement with the E-ZPass group, the largest group of toll road operators in the United States. The agreement made CFX the first expressway system in Florida to accept E-ZPass, which is a network of toll road agencies operating from Maine to North Carolina and west through Illinois. Following the announcement of the new agreement, CFX unveiled a new portable transponder that would be accepted on facilities that use both E-PASS and E-ZPass, called the E-PASS Xtra.

In 2020, CFX introduced Uni, a portable toll pass. Uni is a multi-protocol transponder that works in 18 states with all the benefits of E-PASS. Customers can enjoy benefits including one account and one invoice for travel in 18 states, no account fees, transferrable from vehicle to vehicle, works

with rental cars and motorcycles, and pays for parking at Orlando International Airport. Uni offers the same benefits as E-PASS Xtra, but with newer, future-ready toll technologies.

After a two-year pilot project, CFX also launched the Visitor Toll Pass program in June 2021. This program offers customers a free temporary toll pass for their rental car when traveling through the Orlando International Airport. With the pass, rental car customers pay the ETC rates on Florida toll roads with no extra or hidden fees. Since 2021, over 130,000 customers have used this program at the Orlando International Airport.

1.7 Forecasting Methodology

The estimates of future annual T&R for the CFX System, contained in this annual report, were derived from a complex process involving both a traditional four-step, travel demand model and a series of T&R models both designed specifically for this purpose. The overall approach was to develop estimates of future paid in-lane transactions and then separate estimates of future unpaid in-lane transactions. The forecasts of paid in-lane transactions were obtained through the application of annual growth rates by plaza group. The early-year growth rates came from recent experience and trends and the outer-year growth rates reflect results from the travel demand model. With estimates of both types of transactions, the final step was to prepare estimates of future toll revenue and the effects of the discount programs. At the risk of over-simplification, the forecasts of future toll revenues were estimated as the sum of the product of the traffic forecasts (converted to the number of annual transactions) and the toll rate at each tolling point on the CFX System. This section of the report provides an overview of the forecasting methodology and general approach used to estimate T&R.

1.7.1 TRAVEL DEMAND MODEL

The long-term growth rates are based on results from the series of travel demand models known as the CFX Model 3.X. These models were developed from continually improved versions of the prior models. The more recent model CFX Model 3.3 has been used for project-specific forecasts including the S.R. 538/Poinciana Parkway. The foundation for the model used was the 2015 Central Florida Regional Planning Model (CFRPM) produced by Florida Department of Transportation, District 5.

The models were calibrated to recent conditions, including socioeconomic (SE) data from the US Census and Woods and Poole data in the traditional CFRPM zone systems. The calibration was based on the transportation networks taken from the two operational models. The networks were reviewed using aerial photography and updated, as necessary. Data from the National Highway Travel Survey (NHTS) Florida was acquired and used to calibrate the trip length distributions for five trip purposes (home-based work, home-based shopping, home-based social recreation, home-based other and non-home-based trips). The treatment of external trips was also carefully reviewed and improved, as was the use of time penalties and turn prohibitions.

To make the model more sensitive to network and tolling considerations, it was calibrated to match historical traffic counts on mainline and ramp segments on the CFX System. In the validation year, almost all transactions were Paid In-Lane transactions. The calibration process utilized an approach called Origin-Destination Matrix Estimation (ODME) to enhance the replication of

observed traffic patterns, especially on the CFX System. Technical documentation of the model development process is available separately. At the conclusion, the model provided a very close fit to travel patterns in general and especially close to travel on the CFX System.

Turning to the production of traffic forecasts, SE data forecasts were developed in three planning horizon years (2025, 2035, and 2045) corresponding to the years with SE data forecasts. The SE data forecasts were developed from a combination of growth rates by county and the spatial pattern of development from the Metropolitan Planning Organization (MPO) plans. Population growth rates were developed from the Medium level population projections by county from the most recent publication by the Bureau of Economic and Business Research (BEBR), College of Business Administration at the University of Florida. Forecasts of employment were based on estimates of future employment by county produced by Woods and Poole. Control totals for each county by data set were developed and applied to the spatial distribution of growth by zone as adopted by the MPOs.

Future year transportation networks were created for each of the planning horizon years. The future year networks were updated to include the latest network improvements from the Long-Range Transportation Plans (LRTPs) and Transportation Improvement Programs (TIPs) for all MPOs covered by the model. These included MetroPlan Orlando, Lake-Sumter MPO, Space Coast Transportation Planning Organization (TPO), River to Sea TPO and Polk County TPO. The future networks included all improvements identified in the CFX Work Program and Master Plan. The future year networks also included improvement projects identified in the FDOT Strategic Intermodal System's (SIS) 1st and 2nd 5-year plans, and SIS Cost Feasible 2040 Plan, as well as Florida Turnpike Enterprise's 5-Year Work Program.

The Customer First Toll Policy, adopted by the CFX Board for implementation in FY 2018, was incorporated in the travel demand model. In this way, the model provided direct estimates of the effect of future SE data, network improvements and toll rate adjustments on CFX System traffic.

1.7.2 HISTORIC TRANSACTIONS AND REVENUE

The T&R Model was built on an up-to-date history of transactions and revenue for each plaza group by month, found in the monthly unaudited data provided by CFX. The data, which describes the paid in-lane transactions and revenue, has been used in the past as the basis for development of the travel demand model and for the T&R estimates. In prior forecasts, the impacts of Uniform Toll Notices (UTNs) and PBP were handled separately at a system level. Given recent changes, these are now separately forecasted by plaza group. Since the historic data includes the effect of vehicle class on T&R, the forecasts of future T&R also include these effects.

Data on unpaid in-lane transactions and revenue also comes from the monthly unaudited data provided by CFX and the **2023 Annual Comprehensive Financial Report** (2023 ACFR). The separate analysis and forecasts of unpaid in-lane (PBP) transactions and revenue necessarily includes violations and leakage.

The revenue impacts of the discount programs are based on information contained in the 2023 ACFR and handled separately at a system level.

1.7.3 PAID IN-LANE TRANSACTIONS

The T&R Model is a spreadsheet that includes a combination of history and prior forecasts, along with the current T&R forecasts. Recent paid in-lane transaction data were used to assess the impacts of the four recent weather events (Hurricane Matthew in FY 2017, Hurricane Irma in FY 2018, Hurricane Dorian in FY 2020, and Hurricane Ian in FY 2022). These data were then used to identify growth trends by plaza group with and without the hurricanes. The transaction estimates for FY 2024, the first year in the forecast, were developed from the first half year of actual data extended to the remainder of the year. The estimates for FY 2025 and beyond were adjusted or "trued up" to reflect achievable expectations for the first fiscal year in the new forecast.

Then, near-term and mid-term growth rates were developed from the combination of recent growth and the growth rates derived from the travel demand model. The long-term growth rates come from the travel demand model with some adjustment.

The effect of the combination of the travel demand model and the T&R model is such that the paid in-lane transaction estimates are controlled to match base year values. Growth in the paid inlane transaction estimates is primarily determined by changes from the travel demand model, modified by recent experience. This includes the effects of changes in the spatial pattern of SE activity, changes in transportation network and changes in toll rate.

1.7.4 PBP TRANSACTIONS

The estimates of PBP transactions utilize preliminary transaction results by plaza group from FY 2022 and FY 2023 and the first six months of FY 2024. PBP transactions are described as the unpaid in-lane transactions as a proportion of the paid in-lane transactions with an applied accrual rate. With the PBP toll rate adopted by the CFX Board in October 2019, that was implemented on July 1, 2020 (FY 2021), it was anticipated that a portion of the PBP transactions will move back to paid in-lane transactions, as ETC, and a portion will stay. Recent trends in payment method have shown the PBP toll rate has slowed growth in PBP transactions and increasing the share of in-lane transactions. **Table 1-10** contains the PBP share of total transactions for FY 2023, FY 2024, and FY 2025.

For FY 2024, the average proportion of the first six months was used to estimate the PBP share for the remaining months in the year. As shown in the table, most of the plaza groups experienced a steady share of PBP transactions in FY 2024 and FY 2025, similar to shares seen in FY 2023. The all-electronic plaza groups (Coronado Main, Marigold Main, and Koa Main) experienced a decline in the PBP share in FY 2023 due to the significant increase in the PBP toll rate. Over time as the number of PBP customers shrinks, it will be more difficult to collect tolls from those remaining in PBP.

Table 1-10
PBP Share of Total Transactions

Plaza Group	FY 2023	FY 2024	FY 2025	
Airport Main		10.4%	11.5%	11.7%
Beachline Main	S.R. 528	10.4%	8.7%	8.7%
Dallas Main		10.5%	8.8%	8.8%
Hiawassee Main		12.1%	11.0%	11.3%
Pine Hills Main	S.R. 408	13.0%	11.4%	11.4%
Conway Main	3.K. 408	12.1%	10.3%	10.2%
Dean Main		11.3%	9.2%	9.2%
John Young Main		12.2%	11.0%	11.5%
Boggy Creek Main	S.R. 417	11.0%	9.0%	9.0%
Curry Ford Main	3.K. 417	10.4%	8.7%	8.7%
University Main		10.2%	8.6%	8.6%
Forest Lake Main		12.5%	10.8%	11.2%
Independence Main	S.R. 429	11.3%	9.1%	9.1%
Ponkan Main	3.K. 429	12.1%	10.0%	10.0%
Mt. Plymouth Main		12.7%	10.8%	10.8%
Coral Hills Main	S.R. 414	11.7%	10.2%	10.3%
Coronado Main	S.R. 453	12.2%	10.6%	10.7%
Marigold Main	S.R. 538	16.2%	15.4%	15.2%
Koa Main	3.N. 338	14.7%	13.5%	13.5%

Source: CFX Monthly T&R Analysis and CDM Smith forecasts

1.7.5 TOLL REVENUE

Just like the process with transactions, recent paid in-lane revenue data was used to assess the impacts of the four recent hurricanes. This data was then used to identify growth trends by plaza group. The transaction estimates for FY 2024 were developed from the first half year of actual results extended to the remainder of the year. The estimates for FY 2025 and beyond were adjusted or "trued up" to reflect achievable expectations for the first fiscal year in the new forecast. The CFX toll policy was applied in all future years, specifically the indexed toll rate. At the time of preparing the T&R estimates and this report, CDM Smith learned that the net change in CPI during CY 2023 was 4.497 percent. Based on assurances from CFX, CDM Smith used this value to index toll rates for FY 2025. CDM Smith used the floor of 1.5 percent per year every year thereafter in the forecast period.

Then, once again, mid-term growth rates were developed from the combination of recent growth and the growth rates derived from the travel demand model. The long-term growth rates from the travel demand model with some adjustment. These estimates were then compared against the transaction forecasts considering assumed future year toll rates, and appropriate adjustments were applied to make the two methods of estimation consistent.

The effect of the combination of travel demand model, toll rate adjustments, and the T&R model is such that the paid in-lane revenue estimates are controlled to match base year values. Growth in the paid in-lane revenue estimates is primarily determined by changes from the travel demand model, modified by recent experience. This includes the effects of changes in the spatial pattern of SE activity, changes in transportation network and changes in toll rate. Because of the indexed toll rates, the growth rates in revenue are higher than the growth rates in transactions. The traffic

and revenue forecasts, while developed independently, are related through the effective toll rate. The planned toll rate increases are visible in future effective toll rates.

The revenue collected from the PBP process in each plaza group is determined by calculating the initial billed amount of revenue. For FY 2024 and beyond, the initial billed amount was calculated as the PBP transactions times twice the ETC toll rate, escalated according to the Customer First toll policy (1.5% per year). This change is due to a new PBP toll rate that was implemented on July 1, 2020 (FY 2021). **Table 1-11** contains a summary of the effective toll rates by plaza group for FY 2023. The total revenue is the sum of the revenue from paid in-lane transactions and the revenue collected from the PBP process.

Table 1-11
Effective Toll Rates by Plaza Group FY 2023

Plaza Group		ETC	CASH	PBP
Airport Main		\$1.20	\$1.28	\$2.42
Beachline Main	S.R. 528	\$1.10	\$1.26	\$1.92
Dallas Main		\$0.63	\$0.76	\$1.03
Hiawassee Main		\$0.90	\$1.08	\$1.64
Pine Hills Main	S.R. 408	\$1.21	\$1.40	\$2.26
Conway Main	3.K. 408	\$1.20	\$1.41	\$2.29
Dean Main		\$0.92	\$1.16	\$1.72
John Young Main		\$1.31	\$1.56	\$2.24
Boggy Creek Main	S.R. 417	\$1.33	\$1.64	\$2.55
Curry Ford Main	3.N. 417	\$0.96	\$1.20	\$1.75
University Main		\$0.95	\$1.18	\$1.72
Forest Lake Main		\$1.36	\$1.30	\$2.51
Independence Main	S.R. 429	\$1.28	\$1.80	\$2.29
Ponkan Main	3.N. 429	\$0.96	\$0.00	\$1.74
Mt. Plymouth Main		\$0.94	\$0.00	\$1.64
Coral Hills Main	S.R. 414	\$1.18	\$1.09	\$2.05
Coronado Main	S.R. 453	\$0.77	\$0.00	\$1.41
Marigold Main	S.R. 538	\$2.42	\$0.00	\$4.37
Koa Main	3.0. 338	\$0.60	\$0.00	\$1.07

Source: CFX Monthly T&R Analysis

Note: \$0.00 indicates no cash toll collection

1.7.6 FORECASTING ASSUMPTIONS

T&R estimates for the CFX System are predicated on the following basic assumptions, all of which are considered reasonable for the purposes of this T&R study:

• Toll rates at each location are in nominal or future-year dollars, conforming to the current toll rate policy. Toll rate adjustments (indexed tolls) are applied every year based on the indexed rate of 4.497 percent in FY 2025 and 1.5 percent each year thereafter.

- Inflation is assumed to be 2.5 percent annually which includes the adjustment for real income growth. The value of time is likewise expected to increase by 2.5 percent per year.
- Future transportation projects were assumed as defined in the locally adopted plans. The projects listed in the locally adopted Transportation Improvement Programs (TIP) and the 2045 Long Range Transportation Plans (LRTP) were reviewed and compared with the prior model and with the CFRPM. Most of the projects in the TIP were assumed to be built by FY 2018, but some occur later depending on the horizon year. The Cost Feasible LRTP projects were reviewed and included in the corresponding future-year. CFX improvements were assumed and included based on projects identified in the 2040 Master Plan. Details on future projects that impact specific system components are provided in each chapter.
- The complete Wekiva Parkway, from US 441 to I-4, was included in the models by the horizon year of 2023. T&R from the CFX portion of the Wekiva Parkway are included in the System totals reported in this annual report. The new toll facility is reported as part of S.R. 429 and the new facility S.R. 453.
- The estimates assume that the I-4 Ultimate project was completed and opened to traffic in FY 2022.
- No local, regional, or national emergency, outside of the COVID-19 pandemic, will arise
 which would abnormally restrict the use of motor vehicles, or substantially alter economic
 activity or freedom of mobility.
- Motor fuel will remain in adequate supply, and long-term increases in price will not significantly exceed the overall rate of inflation throughout the forecast period.
- The CFX System will be well-maintained, efficiently operated and effectively signed and promoted to encourage maximum usage.
- Forecasted transactions are the sum of paid in-lane and unpaid in-lane transactions. Forecasted revenue is the sum of paid in-lane revenue and revenue accrued for unpaid inlane transactions. Allowances for the discount programs are included separately on a System-wide basis.
- The impacts of the widening projects in the CFX Work Program have been included in these estimates. Poinciana Parkway Extension (S.R. 538) has been included in this forecast, opening in FY 2030.

Any significant departure from the above basic assumptions could materially affect estimated traffic and toll revenues for the CFX System.

1.8 System Forecasts

1.8.1 SYSTEM TRANSACTION AND TOLL REVENUE FORECASTS

The total transactions and toll revenue by facility and for the System are summarized in **Table 1-12** and **Table 1-13**. The tables are divided into paid in-lane transactions and revenue and PBP transactions and revenue. This information is presented for historical transactions and toll revenue since FY 2013 and estimates in a 30-year forecast. The forecasts were produced by mainline plaza groups, aggregated to toll facility and then to the CFX System.

Table 1-12 **CFX System Transaction Forecast (Millions)**

2013 ^A 2014 2015 2016 ^B 2017 ^C 2018 ^{D,E} 2019* ^F	306.9 326.8 357.6 398.3 420.9	5.4 6.8 8.8 12.2	312.3 333.6	6.8%
2015 2016 ⁸ 2017 ^c	357.6 398.3	8.8	333.6	6 99/
2016 ^B 2017 ^C 2018 ^{D,E}	398.3			0.6%
2018 ^{D,E} - E		12.2	366.4	9.8%
2018 ^{D,E}	420.9	12.2	410.5	12.0%
2018 ^{D,E} entry		14.6	435.5	6.1%
2010*F 8	433.4	21.6	455.0	4.5%
	437.4	43.6	481.0	5.7%
2020*G	388.4	48.6	437.0	-9.1%
2021*H	390.5	52.8	443.3	1.4%
2022*1	469.5	59.9	529.4	19.4%
2022*J	476.3	62.0	538.3	1.7%
2024	523.0	58.7	581.7	8.1%
2024	529.0	59.7	588.7	1.2%
2025	535.4	60.5	595.9	1.2%
2027	543.6	61.2	604.8	1.5%
2028	551.9	61.8	613.7	1.5%
2029	559.5	62.8	622.3	1.4%
2030	572.5	64.5	637.0	2.4%
2031	580.3	65.0	645.3	1.3%
2032	587.5	65.6	653.1	1.2%
2033	595.5	66.4	661.9	1.3%
2034	603.1	67.1	670.2	1.3%
2035	610.5	67.8	678.3	1.2%
2036	617.5	68.1	685.6	1.1%
2037 لي	624.7	68.9	693.6	1.2%
2039	631.6	69.4	701.0	1.1%
2039 8	638.6	69.9	708.5	1.1%
2040	645.4	70.5	715.9	1.0%
2041	652.0	71.0	723.0	1.0%
2042	658.4	71.5	729.9	1.0%
2043	664.9	71.8	736.7	0.9%
2044	670.9	72.6	743.5	0.9%
2045	677.1	73.2	750.3	0.9%
2046	683.1	73.5	756.6	0.8%
2047	689.1	73.9	763.0	0.8%
2048	694.6 699.9	74.1 74.5	768.7 774.4	0.7% 0.7%
2049	699.9 705.3	74.5 74.9	774.4 780.2	0.7%
2051	710.2	74.9 75.2	785.4	0.7%
2052	715.1	75.2 75.8	790.9	0.7%
2053	720.0	75.8 75.7	795.7	0.6%

Fiscal Year	Compound Annual Average Growth Rates (CAAGR)					
2013 - 2023	4.5%	27.6%	5.6%			
2023 - 2033	2.3%	0.7%	2.1%			
2033 - 2043	1.1%	0.8%	1.1%			
2043 - 2053	0.8%	0.5%	0.8%			

 $[\]hbox{*Indicates systemwide toll rate increase according to Customer First Toll Policy}$

Actual transaction data provided by CFX from Monthly Statistical Reports. A - Systemwide toll rate increase.

B - Airport Main Plaza closes, new ramp plazas open at beginning of FY 2016.

Transactions for tolls collected at the Turnpike plaza not included.

C - Effects from Hurricane Matthew in October 2016.

D - Ponkan Main plaza opened on July 27, 2017 and Mount Plymouth Main opened on April 1, 2018 (S.R. 429).

Coronado Main plaza opened on April 1, 2018 (S.R. 453).

E - Effects from Hurricane Irma in September 2017.
F - First year of implementation of "Customer First" toll rate policy and assumed toll rate increase of 2.05% in FY 2019.

 $G-Effects\ from\ Hurricane\ Dorian\ in\ September\ 2019\ and\ first\ effects\ of\ COVID-19\ pandemic\ began\ in\ March\ 2020.$

 $H-New\ toll\ rates for\ PBP\ customers, set\ at\ 2.0\ times\ the\ ETC\ rate.\ Continued\ effects\ of\ COVID-19\ pandemic.\ \\ I-Completion\ of\ I-4\ Ultimate\ project.$

J -Effects from Hurricane Ian in September 2022.

Table 1-13 CFX System Toll Revenue Forecast - Before Discounts (Millions)

Fiscal Year Paid In-Lane		PBP	Total	Percent Annual Change	
2013 ^A		\$302.1	\$6.9	\$309.0	-
2014		\$322.4	\$8.4	\$330.8	7.1%
2015		\$353.1	\$11.0	\$364.1	10.1%
2016 ^B		\$393.9	\$15.7	\$409.6	12.5%
2017 ^c	_	\$417.9	\$22.4	\$440.3	7.5%
2018 ^{D,E}	Actual	\$430.9	\$24.4	\$455.3	3.4%
2019 ^{*F}	Ă	\$445.6	\$49.9	\$495.5	8.8%
2020 ^{*G}		\$404.6	\$57.8	\$462.4	-6.7%
2021 ^{*H}		\$415.8	\$103.9	\$519.7	12.4%
2022 ^{*1}		\$511.5	\$119.9	\$631.4	21.5%
2023 ^{*J}		\$540.8	\$130.2	\$671.0	6.3%
2024		\$598.3	\$127.2	\$725.5	8.1%
2025		\$631.9	\$135.8	\$767.7	5.8%
2026		\$649.2	\$139.6	\$788.8	2.7%
2027		\$666.1	\$143.2	\$809.3	2.6%
2028		\$684.8	\$146.7	\$831.5	2.7%
2029		\$703.1	\$150.1	\$853.2	2.6%
2030		\$726.0	\$155.2	\$881.2	3.3%
2031		\$744.9	\$158.7	\$903.6	2.5%
2032		\$763.8	\$162.6	\$926.4	2.5%
2033		\$783.0	\$165.9	\$948.9	2.4%
2034		\$802.1	\$169.6	\$971.7	2.4%
2035		\$821.0	\$173.0	\$994.0	2.3%
2036 2037		\$840.1 \$859.4	\$176.5 \$180.1	\$1,016.6 \$1,039.5	2.3% 2.3%
2037	ast	\$859.4 \$878.8	\$180.1 \$183.4	\$1,039.5	2.3%
2038	Forecast	\$897.8	\$187.1	\$1,082.2	2.1%
2040	Бо	\$917.0	\$190.5	\$1,107.5	2.1%
2041		\$936.1	\$193.9	\$1,130.0	2.0%
2042		\$955.4	\$197.3	\$1,152.7	2.0%
2043		\$974.5	\$200.9	\$1,175.4	2.0%
2044		\$993.8	\$204.1	\$1,197.9	1.9%
2045		\$1,012.5	\$207.4	\$1,219.9	1.8%
2046		\$1,031.6	\$210.6	\$1,242.2	1.8%
2047		\$1,050.1	\$213.8	\$1,263.9	1.7%
2048		\$1,068.9	\$216.8	\$1,285.7	1.7%
2049		\$1,087.2	\$220.2	\$1,307.4	1.7%
2050		\$1,105.6	\$223.0	\$1,328.6	1.6%
2051		\$1,123.3	\$226.1	\$1,349.4	1.6%
2052		\$1,141.0	\$229.0	\$1,370.0	1.5%
2053		\$1,159.3	\$232.0	\$1,391.3	1.6%

Fiscal Year	Compound Annual Average Growth Rates (CAAGR)					
2013 - 2023	6.0%	34.1%	8.1%			
2023 - 2033	3.8%	2.5%	3.5%			
2033 - 2043	2.2%	1.9%	2.2%			
2043 - 2053	1.8%	1.4%	1.7%			

*Indicates systemwide toll rate increase according to Customer First Toll Policy

Actual transaction data provided by CFX from Monthly Statistical Reports. A - Systemwide toll rate increase.

B - Airport Main Plaza closes, new ramp plazas open at beginning of FY 2016.

Transactions for tolls collected at the Turnpike plaza not included. C - Effects from Hurricane Matthew in October 2016.

D - Ponkan Main plaza opened on July 27, 2017 and Mount Plymouth Main opened on April 1, 2018 (S.R. 429).

Coronado Main plaza opened on April 1, 2018 (S.R. 453).

E - Effects from Hurricane Irma in September 2017.
F - First year of implementation of "Customer First" toll rate policy and assumed toll rate increase of 2.05% in FY 2019.

 $^{{\}tt G-Effects}\ from\ Hurricane\ Dorian\ in\ September\ 2019\ and\ first\ effects\ of\ COVID-19\ pandemic\ began\ in\ March\ 2020.$

H - New toll rates for PBP customers, set at 2.0 times the ETC rate. Continued effects of COVID-19 pandemic. I - Completion of I-4 Ultimate project.

J -Effects from Hurricane Ian in September 2022.

1.8.2 SYSTEM AVAILABLE REVENUES

The System Available Revenue is defined as paid in-lane revenue plus revenue from PBP, less the discounts. The calculations are summarized in **Table 1-14**. CFX instituted a more convenient method of payment for PBP tolls in June 2009. CFX's PBP business rules were also modified in 2010 to require all outstanding tolls be paid for a customer to renew their Florida vehicle registration. The paid in-lane revenues plus the revenue from PBP is expected to increase from the actual \$645.6 million collected in FY 2023 to \$948.9 million in FY 2033, \$1,175.4 million in FY 2043 and \$1,391.3 million in FY 2053.

Table 1-14 also shows total revenue less the discounts during the fiscal year to equal Available Revenue. The discount programs are discussed in detail in **Section 1.3.1** of this chapter. The resulting Available Revenue can be used by CFX for their operating and maintenance budget and debt service. The Available Revenues are projected to increase from the actual \$631.7 million in FY 2023 to estimated amounts of \$910.3 million in FY 2033, \$1,122.4 million in FY 2043 and \$1,322.5 million in FY 2053.

1.8.3 Non-System Revenues

The Goldenrod Road Extension is a toll facility operated by CFX. It was constructed as an extension of the existing Goldenrod Road (S.R. 551) to provide an additional north-south facility operated by CFX as a Non-System project in the vicinity of the Orlando International Airport (OIA). Goldenrod Road was a four-lane state-maintained facility that terminated at Narcoossee Road. The Goldenrod Road Extension continues the roadway south from the terminus at Narcoossee Road to Cargo Road on the airport property. There is one interchange on the facility at S.R. 528, just east of the airport. The Greater Orlando Aviation Authority (GOAA) constructed Heintzelman Boulevard, a four-lane facility that connects with the Goldenrod Road Extension at Cargo Road and then extends south through the OIA. Heintzelman Boulevard primarily serves as an access road for airport employees.

Construction of the Goldenrod Road Extension began in January 2001 and was opened to traffic in March 2003. This project was jointly funded by CFX, Orange County, the City of Orlando, GOAA and private developers, with CFX serving as the lead agency on the project. The Goldenrod Road Extension is tolled at one location. A mainline plaza, with a toll of \$0.50 is located north of the interchange with S.R. 528. Revenues generated by the toll on the Goldenrod Road Extension are not included as part of CFX's System revenues. Revenues generated by this non-System roadway are not pledged as part of the System revenues available for debt service. Such revenues will be used to repay funds used by the partners for the construction of the roadway as well as the continued operations and maintenance expenses. According to the agreements between the project's partners, once toll revenues have paid for project costs (including toll operations and maintenance), the toll plaza will be removed, and the City of Orlando will assume ownership of the roadway.

Table 1-14
CFX System Toll Revenues Available (Millions)

Fiscal Year		Paid In-Lane Revenue ^E	PBP Revenue ^F	Total Revenue	Discounts ^G	Available Revenue	Percent Annual Change
2013 ^A		\$302.7	\$6.3	\$309.0	\$10.8	\$298.2	-
2014		\$322.8	\$8.1	\$330.9	\$11.7	\$319.1	7.0%
2015		\$353.1	\$11.0	\$364.1	\$13.2	\$350.9	10.0%
2016		\$393.9	\$15.7	\$409.6	\$18.7	\$390.9	11.4%
2017	ᇹ	\$418.5	\$21.8	\$440.3	\$16.6	\$423.7	8.4%
2018	Actual	\$430.8	\$27.3	\$458.1	\$16.3	\$441.8	4.3%
2019 ^B	Ĭ	\$445.6	\$38.0	\$483.6	\$20.4	\$463.2	4.8%
2020		\$407.2	\$61.1	\$468.3	\$16.4	\$451.9	-2.4%
2021 ^c		\$415.9	\$98.8	\$514.7	\$17.8	\$496.9	10.0%
2022 ^D		\$518.5	\$99.1	\$617.6	\$17.6	\$600.0	20.7%
2023 ^H		\$547.3	\$98.3	\$645.6	\$13.9	\$631.7	5.3%
2024 ^H		\$598.3	\$127.2	\$725.5	\$12.5	\$713.0	12.9%
2025 ^H		\$631.9	\$135.8	\$767.7	\$12.9	\$754.8	5.9%
2026		\$649.2	\$139.6	\$788.8	\$29.8	\$759.0	0.6%
2027		\$666.1	\$143.2	\$809.3	\$30.9	\$778.4	2.6%
2028		\$684.8	\$146.7	\$831.5	\$32.1	\$799.4	2.7%
2029		\$703.1	\$150.1	\$853.2	\$33.3	\$819.9	2.6%
2030		\$726.0	\$155.2	\$881.2	\$34.7	\$846.5	3.2%
2031		\$744.9	\$158.7	\$903.6	\$36.0	\$867.6	2.5%
2032		\$763.8	\$162.6	\$926.4	\$37.3	\$889.1	2.5%
2033		\$783.0	\$165.9	\$948.9	\$38.6	\$910.3	2.4%
2034		\$802.1	\$169.6	\$971.7	\$40.0	\$931.7	2.4%
2035		\$821.0	\$173.0	\$994.0	\$41.3	\$952.7	2.3%
2036		\$840.1	\$176.5	\$1,016.6	\$42.7	\$973.9	2.2%
2037	یب	\$859.4	\$180.1	\$1,039.5	\$44.1	\$995.4	2.2%
2038	orecast	\$878.8	\$183.4	\$1,062.2	\$45.6	\$1,016.6	2.1%
2039	S.	\$897.8	\$187.1	\$1,084.9	\$47.0	\$1,037.9	2.1%
2040	щ.	\$917.0	\$190.5	\$1,107.5	\$48.5	\$1,059.0	2.0%
2041		\$936.1	\$193.9	\$1,130.0	\$49.9	\$1,080.1	2.0%
2042		\$955.4	\$197.3	\$1,152.7	\$51.4	\$1,101.3	2.0%
2043		\$974.5	\$200.9	\$1,175.4	\$53.0	\$1,122.4	1.9%
2044		\$993.8	\$204.1	\$1,197.9	\$54.5	\$1,143.4	1.9%
2045		\$1,012.5	\$207.4	\$1,219.9	\$56.0	\$1,163.9	1.8%
2046		\$1,031.6	\$210.6	\$1,242.2	\$57.6	\$1,184.6	1.8%
2047		\$1,050.1	\$213.8	\$1,263.9	\$59.2	\$1,204.7	1.7%
2048		\$1,068.9	\$216.8	\$1,285.7	\$60.8	\$1,224.9	1.7%
2049		\$1,087.2	\$220.2	\$1,307.4	\$62.3	\$1,245.1	1.6%
2050		\$1,105.6	\$223.0	\$1,328.6	\$64.0	\$1,264.6	1.6%
2051		\$1,123.3	\$226.1	\$1,349.4	\$65.5	\$1,283.9	1.5%
2052		\$1,141.0	\$229.0	\$1,370.0	\$67.1	\$1,302.9	1.5%
2053		\$1,159.3	\$232.0	\$1,391.3	\$68.8	\$1,322.5	1.5%

Fiscal Year	Compound Annual Average Growth Rate (CAAGR)					
2013 - 2023	6.1%	31.6%	7.6%	2.5%	7.8%	
2023 - 2033	3.6%	5.4%	3.9%	10.8%	3.7%	
2033 - 2043	2.2%	1.9%	2.2%	3.2%	2.1%	
2043 - 2053	1.8%	1.4%	1.7%	2.6%	1.7%	

Notes:

A - Systemwide toll rate adjustments.

B - CFX Board adopted "Customer First" toll policy on February 9, 2017, implemented with Systemwide increase of 2.05% on July 1, 2018 (FY 2019). The floor of 1.5% increase was implemented on July 1, 2021 (FY 2022). An increase of 5.08% was implemented on July 1, 2022 (FY 2023). The floor of 1.5% increase was implemented on July 1, 2023 (FY 2024). Further adjustments (estimated at 4.497% in FY 2025 and 1.5% for all subsequent years) are included at the beginning of each fiscal year.

 $\hbox{C-New toll rates for customers paying toll through the Pay By Plate (PBP) process, set at 2.0 times the ETC rate.}\\$

 $\ensuremath{\mathsf{D}}$ - Adjustments for completion of I-4 Ultimate.

E - Paid In-Lane Revenue is provided and audited by CFX. System paid in-lane revenue may not equal the sum of paid in-lane revenue by plaza group, presented in Table 1-13 due to rounding and end-of-year adjustments. The adjustments occur periodically thorughout the fiscal year and are not tied to the collected revenue of any particular plaza group.

F - PBP Revenue is provided and audited by CFX. System PBP revenue may not equal the sum of PBP revenue in Table 1-13 due to rounding and end-of-year revenue collected in-lane; in FY 2023, PBP revenue was 18.0% of the in-lane revenue; in FY 2024, the PBP revenue is forecasted to be 21.3% of the in-lane revenue; these long-term forecasts maintain PBP revenue at an average of 20.0% of the in-lane revenue.

G - CFX operates two Discount Programs, which are explained in detail in Chapter 1 of this report. Historical information on the E-PASS discount comes from the 2023 ACFR.

H - Florida Toll Relief Program will effectively reimburse CFX for Customer Loyalty Program discount revenue for 2-Axle Vehicles during January-December 2023, and April 2024-March 2025.

1.9 Disclaimer

CDM Smith used currently-accepted professional practices and procedures in the development of these traffic and revenue estimates. However, as with any forecast, it should be understood that differences between forecasted and actual results may occur, as caused by events and circumstances beyond the control of the forecasters. In formulating the estimates, CDM Smith reasonably relied upon the accuracy and completeness of information provided (both written and oral) by CFX. CDM Smith also relied upon the reasonable assurances of other independent parties and is not aware of any material facts that would make such information misleading.

CDM Smith made qualitative judgments related to several key variables in the development and analysis of the traffic and revenue estimates that must be considered as a whole; therefore, selecting portions of any individual result without consideration of the intent of the whole may create a misleading or incomplete view of the results and the underlying methodologies used to obtain the results. CDM Smith gives no opinion as to the value or merit of partial information extracted from this report.

All estimates and projections reported herein are based on CDM Smith's experience and judgment and on a review of information obtained from multiple agencies, including CFX. These estimates and projections may not be indicative of actual or future values and are therefore subject to substantial uncertainty. Certain variables such as future developments, economic cycles, pandemics, government actions, climate change related events, or impacts related to advances in automotive technology etc. cannot be predicted with certainty and may affect the estimates or projections expressed in this report, such that CDM Smith does not specifically guarantee or warrant any estimate or projection contained within this report.

While CDM Smith believes that the projections and other forward-looking statements contained within the report are based on reasonable assumptions as of the date of the report, such forward-looking statements involve risks and uncertainties that may cause actual results to differ materially from the results predicted. Therefore, following the date of this report, CDM Smith will take no responsibility or assume any obligation to advise of changes that may affect its assumptions contained within the report, as they pertain to socioeconomic and demographic forecasts, proposed residential or commercial land use development projects and/or potential improvements to the regional transportation network.

CDM Smith is not, and has not been, a municipal advisor as defined in Federal law (the Dodd Frank Bill) to CFX and does not owe a fiduciary duty pursuant to Section 15B of the Exchange Act to CFX with respect to the information and material contained in this report. CDM Smith is not recommending and has not recommended any action to CFX. CFX should discuss the information and material contained in this report with any and all internal and external advisors that it deems appropriate before acting on this information.

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Chapter 2 Economic Indicators

ECONOMIC INDICATORS

Regional travel demand is driven, in part, by the levels, growth, and spatial patterns of socioeconomic activity, such as population, housing, employment, retail sales, and tourism. Socioeconomic growth is a major factor determining future toll road use. Other important factors specific to Central Florida include enplanements at Orlando



International Airport (OIA), enrollment at the University of Central Florida (UCF) and area tourist attraction attendance. These factors are related to underlying socioeconomic variables. For this reason, it is important to understand socioeconomic conditions where CFX facilities operate. This chapter reviews CFX-relevant socioeconomic factors and comparative data (historical and forecast) for Brevard, Lake, Orange, Osceola, Polk, Seminole and Volusia Counties, and Florida.

2.1 Population

2.1.1 HISTORICAL TRENDS

Historical 1980 to 2022 population trends are shown in **Table 2-1**; corresponding compound average annual growth rates (CAAGR) are in **Table 2-2**. Study area population grew 2.9 times since 1980, from approximately 1.7 million to nearly 4.8 million in 2022, at 2.5 percent per year. Average annual growth decelerated from 3.8 percent in the 1980s to 2.2 percent between 2000 and 2010, and 2.0 percent since 2010. Since 1980, Osceola County grew fastest in the area by 5.2 percent per year. Brevard, Polk, and Volusia Counties experienced slower relative growth around 2.0 percent per year due to their relatively smaller starting population. Nearly one third of the area's population is in Orange County, with over 1.4 million residents. Florida's population grew from 9.7 million in 1980 to over 22.2 million in 2022, or an average increase of 2.0 percent per year. Historically, study area population growth has outpaced Florida over the last four decades.

Table 2-1 Historical Population 1980 – 2022

County	1980	1990	2000	2010	2022
Brevard	272,959	398,978	476,230	543,376	630,693
Lake	104,870	152,104	210,528	297,052	410,139
Orange	470,865	677,491	896,344	1,145,956	1,452,726
Osceola	49,287	107,728	172,493	268,685	422,545
Polk	321,652	405,382	483,924	602,095	787,404
Seminole	179,752	287,529	365,196	422,718	478,772
Volusia	258,762	370,712	443,343	494,593	579,192
Area Total	1,658,147	2,399,924	3,048,058	3,774,475	4,761,471
Florida	9,746,961	12,937,926	15,982,378	18,801,310	22,244,823

Source: U.S. Census Bureau

Table 2-2 Historical Population Growth (CAAGR) 1980 – 2022

County	1980-'90	1990-'00	2000-'10	2010-'22	1980-'22
Brevard	3.9%	1.8%	1.3%	1.2%	2.0%
Lake	3.8%	3.3%	3.5%	2.7%	3.3%
Orange	3.7%	2.8%	2.5%	2.0%	2.7%
Osceola	8.1%	4.8%	4.5%	3.8%	5.2%
Polk	2.3%	1.8%	2.2%	2.3%	2.2%
Seminole	4.8%	2.4%	1.5%	1.0%	2.4%
Volusia	3.7%	1.8%	1.1%	1.3%	1.9%
Area Total	3.8%	2.4%	2.2%	2.0%	2.5%
Florida	2.9%	2.1%	1.6%	1.4%	2.0%

Source: U.S. Census Bureau

Table 2-3 contains a summary of the 2014 to 2023 school enrollments within the study area and Florida. Osceola County experienced the relatively fastest growth, at 3.5 percent annually in the last decade, while Volusia County exhibited the slowest growth (0.9 percent annually); average study area enrollment grew 1.9 percent. Enrollment growth is not directly comparable to population due to families without school-age children and home-schooling. In 2023, enrollments increased by nearly 4.0 percent over 2022. 2023 enrollments are estimates, as final numbers are not released until the end of the school year in June or July 2024.

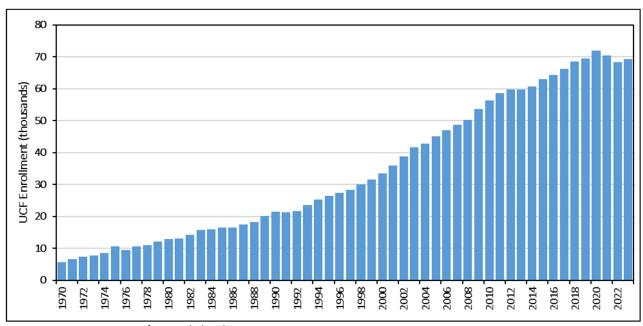
Table 2-3 Historical School Enrollment 2014 – 2023

County	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2014- '23 % Δ	2014- '23 CAAGR
Brevard	71,119	71,634	72,408	72,467	72,646	73,106	70,214	74,082	76,529	79,849	12.3%	1.3%
Lake	41,322	41,839	41,866	42,643	43,409	44,473	41,835	46,795	48,639	51,531	24.7%	2.5%
Orange	190,380	195,408	198,984	203,950	206,451	207,751	200,495	210,303	213,701	220,465	15.8%	1.6%
Osceola	58,465	61,141	62,561	66,010	67,632	69,378	69,162	75,158	76,210	79,466	35.9%	3.5%
Polk	97,877	99,247	101,051	102,863	104,305	106,782	104,667	112,516	117,727	123,542	26.2%	2.6%
Seminole	65,428	66,236	67,055	67,281	67,247	67,301	64,214	67,701	68,198	71,360	9.1%	1.0%
Volusia	61,351	62,304	62,269	62,132	62,027	62,121	57,758	64,019	64,959	66,219	7.9%	0.9%
Area Total	585,942	597,808	606,194	617,346	623,716	630,911	608,345	650,573	665,962	692,432	18.2%	1.9%

Source: Florida Department of Education

UCF opened in 1968 with fewer than 2,000 enrolled students. **Figure 2-1** shows annual enrollment steadily increased as UCF became a large-scale university, with nearly 72,000 students in 2020; however, 2022 enrollment declined to 68,442. In 2023, enrollment increased to 69,320. Long-term annual growth averaged 4.0 percent from 1980 to 2023, due to the opening of new programs and campus facilities, and to an increase in transfer students. While enrollments are significant, many students only attend part-time or attend on-line classes; therefore, many students do not travel to the main campus on a daily basis.

Figure 2-1 Historical UCF Enrollment 1970 – 2023



Source: University of Central Florida

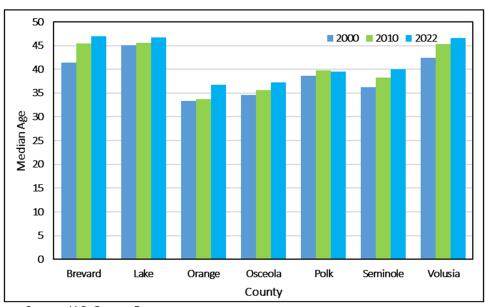
The study area age distributions in 2000, 2010, and 2022 are shown in **Table 2-4**. Most people (58.4 percent in 2022) are working age (20 to 64) and represent commuter and business-related trips. The working age proportions have not changed appreciably since 2000 but are trending down while the senior age groups (65-74 and 74+) are trending up, growing from 15.5 percent of population to 18.8 percent in 2022. Study area median ages are shown in **Figure 2-2**. Brevard County has the highest median age, reflecting some retirement communities; Lake and Volusia Counties also have relatively older median ages. Orange County has the lowest median age. Median ages have increased in nearly every county since 2000, reflecting a general population aging.

Table 2-4 Historical Population by Age 2000, 2010, 2022

٨σ٥	2000 C	ensus	2010 C	ensus	2022 Es	timate
Age	Population	Percent	Population	Percent	Population	Percent
0-4	-4 184,700 6.1%		221,562 5.9%		244,621	5.1%
5-19	615,697	20.2%	732,041	19.4%	838,247	17.6%
20-24	185,459	6.1%	264,847	7.0%	307,093	6.4%
25-34	405,961	13.3%	473,023	12.5%	642,321	13.5%
35-44	486,110	15.9%	490,323	13.0%	638,678	13.4%
45-54	395,565	13.0%	552,868	14.6%	586,334	12.3%
55-64	289,212	9.5%	453,437	12.0%	608,430	12.8%
65-74	262,234	8.6%	318,580	8.4%	505,875	10.6%
75+	223,120	7.3%	267,794 7.1%		389,872	8.2%
Total	3,048,058	100.0%	3,774,475	100.0%	4,761,471	100.0%

Source: U.S. Census Bureau

Figure 2-2 County Median Age 2000, 2010, 2022



Source: U.S. Census Bureau

2.1.2 PROJECTIONS

The University of Florida's Bureau of Economic and Business Research (BEBR) updates Florida's/counties' population forecasts annually with three scenarios: low, medium, and high. Medium level projections are typically used to develop transportation plans. **Table 2-5** summarizes BEBR's 2023 medium forecasts as Compound Annual Average Growth Rates (CAAGRs). Future long-term study area population growth through 2040 averages 1.3 percent per year, slightly higher than the 1.0 percent per year projected for Florida. Osceola County is projected to increase population relatively the fastest, at 2.2 percent per year, while Brevard, Seminole, and Volusia Counties are expected to have relatively the lowest growth of 0.8 percent per year. Population growth rates decelerate over time.

Table 2-5
Projected Population Growth (CAAGR)
2022 – 2040

County	2022-'25	2022-'30	2030-'40	2022-'40
Brevard	1.3%	1.1%	0.6%	0.8%
Lake	2.3%	2.0%	1.3%	1.6%
Orange	1.9%	1.6%	1.0%	1.3%
Osceola	3.3%	2.9%	1.7%	2.2%
Polk	2.0%	1.8%	1.1%	1.4%
Seminole	1.1%	1.0%	0.6%	0.8%
Volusia	1.3%	1.1%	0.6%	0.8%
Area Total	1.8%	1.6%	1.0%	1.3%
Florida	1.4%	1.2%	0.8%	1.0%

Source: University of Florida Bureau of Economic and Business Research

2.2 Housing Units

2.2.1 HISTORICAL TRENDS

Housing metrics are another measure used in transportation planning. **Table 2-6** summarizes historical study area housing units, which expanded from 0.7 million in 1980 to nearly 2.0 million in 2022. A housing unit is a house, an apartment, a mobile home, a group of rooms, or a single room that is occupied (or if vacant, is intended for occupancy) as separate living quarters, per the U.S. Census. Orange County has the highest housing unit concentration in the area, with over 565,100 in 2022. Corresponding historical housing unit CAAGRs are in **Table 2-7**. Housing units in the study area grew 2.5 percent per year since 1980, slowing from 4.4 percent per year in the 1980s to 1.0 percent per year since 2010, which is a similar deceleration trend as population. Osceola County experienced relatively fastest growth, averaging 4.6 percent per year; Volusia County was the relative slowest at 1.9 percent annually in the study period. Osceola and Lake Counties were the fastest growing counties in the last 12 years at 1.7 percent annual growth each. Overall, historical study area housing unit growth outpaced Florida's growth, and grew from 16 percent share of statewide housing units in 1980 to 20.0 percent in 2022.

Table 2-6 Historical Housing Units 1980 – 2022

County	1980	1990	2000	2010	2022	
Brevard	113,900	185,150	222,072	269,864	290,314	
Lake	50,511	75,707	102,829	144,996	178,098	
Orange	184,701	282,686	361,349	487,839	565,109	
Osceola	23,825	47,959	72,293	128,170	156,976	
Polk	134,873	186,225	226,376	281,214	320,023	
Seminole	68,154	117,841	147,080	181,307	194,744	
Volusia	124,427	180,983	211,938	254,226	273,835	
Area Total	ea Total 700,391		1,343,937	1,747,616	1,979,099	
Florida	4,378,867	6,100,250	7,303,108	8,989,580	9,915,957	

Source: U.S. Census Bureau

Table 2-7
Historical Housing Units Growth (CAAGR)
1980 – 2022

County	1980-'90	1990-'00	2000-'10	2010-'22	1980-'22	
Brevard	5.0%	1.8%	2.0%	0.6%	2.3%	
Lake	4.1%	3.1%	3.5%	1.7%	3.0%	
Orange	4.3%	2.5%	3.0%	1.2%	2.7%	
Osceola	7.2%	4.2%	5.9%	1.7%	4.6%	
Polk	3.3%	2.0%	2.2%	1.1%	2.1%	
Seminole	5.6%	2.2%	2.1%	0.6%	2.5%	
Volusia	3.8%	1.6%	1.8%	0.6%	1.9%	
Area Total	Area Total 4.4%		2.7%	1.0%	2.5%	
Florida	3.4%	1.8%	2.1%	0.8%	2.0%	

Source: U.S. Census Bureau

2.2.2 PROJECTIONS

Table 2-8 summarizes long-term household growth forecasts, published by Woods & Poole¹ (housing units are unavailable; households are used here as a close proxy). Future long-term study area growth is projected to average 1.3 percent per year through 2040. Osceola County is forecasted with relatively the fastest growth, averaging 2.4 percent per year, while Brevard County is expected to have relatively the slowest growth, at 0.6 percent per year.

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¹ Woods & Poole does not guarantee the accuracy of these data. The use of these data and the conclusions drawn from them are solely the responsibility of the Consulting Team.

Table 2-8
Projected Household Growth (CAAGR)
2020 – 2040

County	2020-'23	2023-'30	2030-'40	2023-'40
Brevard	2.2%	0.8%	0.5%	0.6%
Lake	3.4%	1.9%	1.5%	1.7%
Orange	1.3%	1.7%	1.3%	1.5%
Osceola	4.3%	2.7%	2.3%	2.4%
Polk	4.3%	1.5%	1.1%	1.3%
Seminole	1.3%	1.3%	0.9%	1.1%
Volusia	2.6%	0.9%	0.5%	0.7%
Area Total	2.4%	1.5%	1.1%	1.3%
Florida	2.0%	1.3%	1.0%	1.1%

Source: Woods & Poole Economics, Inc. 2023

2.3 Employment

2.3.1 HISTORICAL TRENDS

Employment data are shown in **Table 2-9** and **Table 2-10**, indicating the highest concentration of employment in Orange County, representing 43.2 percent of the area. Long-term historical area employment growth averaged 3.1 percent per year since 1980. Growth in the 1980s was 4.7 percent per year, then decelerated between 2000 and 2010 to 1.4 percent per year, with highest growth in Osceola and Lake Counties. Since 2010, growth increased to 3.1 percent per year, with Osceola County averaging the highest growth at 5.7 percent per year. Historically, study area employment growth outpaced Florida by an average of approximately 0.4 percent per year.

Table 2-9 Historical Employment 1980 – 2022

County	1980	1990	2000	2010	2022	'80-'22
Brevard	129,188	202,232	242,259	256,563	339,006	2.3%
Lake	46,281	58,326	86,269	113,201	174,853	3.2%
Orange	291,166	516,943	735,810	822,557	1,284,610	3.6%
Osceola	19,483	43,173	63,735	101,338	197,391	5.7%
Polk	156,846	194,693	234,576	255,704	379,656	2.1%
Seminole	61,621	121,188	186,059	217,211	318,601	4.0%
Volusia	105,796	146,833	177,896	211,634	282,141	2.4%
Area Total	810,381	1,283,388	1,726,604	1,978,208	2,976,258	3.1%
Florida	4,687,521	6,740,289	8,881,279	9,805,154	14,227,252	2.7%

Source: Bureau of Economic Analysis

Table 2-10 Historical Employment Growth (CAAGR) 1980 – 2022

County	1980-'90	1990-'00	2000-'10	2010-'22	1980-'22	
Brevard	4.6%	1.8%	0.6%	2.3%	2.3%	
Lake	2.3%	4.0%	2.8%	3.7%	3.2%	
Orange	5.9%	3.6%	1.1%	3.8%	3.6%	
Osceola	8.3%	4.0%	4.7%	5.7%	5.7%	
Polk	2.2%	1.9%	0.9%	3.3%	2.1%	
Seminole	7.0%	4.4%	1.6%	3.2%	4.0%	
Volusia	3.3%	1.9%	1.8%	2.4%	2.4%	
Area Total	Area Total 4.7%		1.4%	3.5%	3.1%	
Florida	3.7%	2.8%	1.0%	3.2%	2.7%	

Source: Bureau of Economic Analysis

2.3.2 PROJECTIONS

Study area employment is projected to grow 1.6 percent per year through 2050, per **Table 2-11**, similar to statewide forecast growth. Osceola County's employment is forecasted to increase relatively the fastest at 2.8 percent per year, while Brevard and Volusia Counties are forecasted with the relatively slowest growth of 0.9 percent through 2050.

Table 2-11
Projected Employment Growth (CAAGR)
2020 – 2050

County	2020-'23	2023-'30	2030-'40	2040-'50	2022-'50	
Brevard	Brevard 1.9%		0.9%	0.7%	0.9%	
Lake	2.4%	1.9%	1.8%	1.6%	1.7%	
Orange	5.0%	2.2%	1.8%	1.6%	1.9%	
Osceola	4.0%	2.9%	2.9%	2.7%	2.8%	
Polk	1.3%	1.1%	1.1%	0.9%	1.0%	
Seminole	3.0%	1.8%	1.6%	1.3%	1.6%	
Volusia	2.2%	1.2%	1.0%	0.8%	0.9%	
Area Total	Area Total 3.5%		1.6%	1.5%	1.6%	
Florida	2.7%	1.7%	1.5%	1.4%	1.5%	

Source: Woods & Poole Economics, Inc., 2023

Table 2-12 shows employment projections by major sector: industrial, commercial, and service industries, with annual future growth averaging 0.7, 1.3, and 1.9 percent through 2050, respectively. Jobs growth in commercial and service sectors reflect Central Florida's tourism industry, while the industrial sector is expected to experience relatively slower growth.

Table 2-12
Projected Sector Employment Growth (CAAGR)
2020 – 2050

Area	2020-'23	2023-'30	2030-'40	2040-'50	2022-'50
Industrial	0.6%	0.6%	0.7%	0.7%	0.7%
Commercial	1.9%	1.3%	1.4%	1.3%	1.3%
Service	4.4%	2.2%	1.8%	1.6%	1.9%

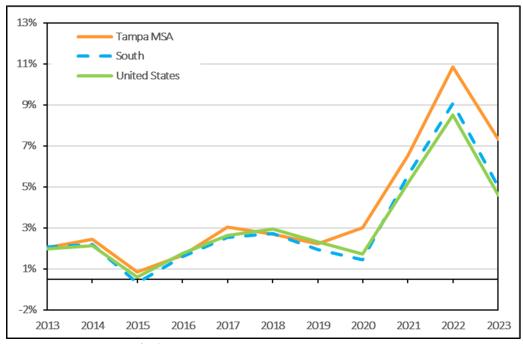
Source: Woods & Poole Economics, Inc., 2023

2.4 Consumer Price Index and Income

2.4.1 CONSUMER PRICE INDEX

The Consumer Price Index (CPI) measures the national average price of an average basket of goods and services compared to a fixed base period (indexing). CPI changes measure inflation. Historical annual inflation rates are shown in **Figure 2-3**. Historical inflation has typically hovered between 2.0 and 3.0 percent per year (except 2015). Inflation increased considerably in 2021, due to various factors: increased fuel costs, spending increases from pent-up demand (associated with the COVID-19 pandemic), and supply chain constraints. This trend continued in 2022 with additional inflation increases. Inflation increased again in 2023, but at a lower rate than 2022. In addition to national CPI changes, data are also presented for the Tampa MSA (Orlando MSA is not tracked by the BLS) and the South Region (Southeastern U.S. States), which generally trend closely with national price changes. Overall, the change in CPI-U in the South averaged 4.497 percent in 2023 and will be used in the annual indexing of toll rates for FY 2025.

Figure 2-3 Inflation (Annual CPI Change) 2013 – 2023



Source: Bureau of Labor Statistics

2.4.2 INCOME

Travel demand is sensitive to, among other things, disposable income, with a propensity to pay tolls in exchange for travel time savings dependent on personal income. Income is a key input in assessing value of time, with a correlative relationship between income and willingness to pay tolls. Real personal income is income adjusted for inflation.

Historical real per capita income trends are shown in **Figure 2-4**. Real personal income per capita for Florida and the study area steadily increased in the preceding decade, by 2.4 and 2.0 percent annually, respectively since 2012, while national income growth averaged 2.0 percent. The sevencounty area that comprises Central Florida, has a lower real personal income as compared to the State of Florida and the U.S. This means that, on average, Central Floridians may be more sensitive to toll rate changes than other areas of the state or U.S.

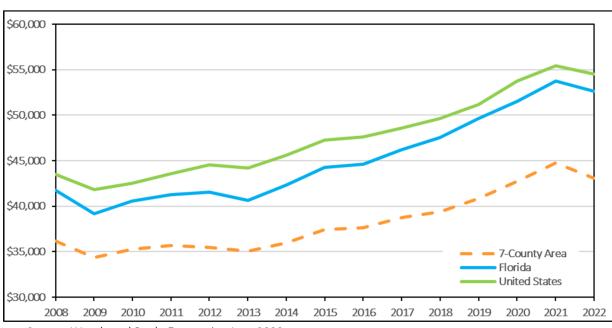


Figure 2-4
Real Personal Income Per Capita (2012 Dollars)
2008 – 2022

Source: Woods and Poole Economics, Inc., 2023

2.5 Unemployment

Regional unemployment rates historically paralleled Florida closely and were lower than national rates since 1994 excepting during and after the Great Recession (between 2009 and 2015). **Figure 2-5** shows historical unemployment rates, depicting the study area's range from a low of 2.5 percent in 2006 to a high of 11.1 percent in 2010. After years of steadily declining from the peak following the Great Recession (2008-2010), the study area unemployment rate spiked to 10.0 in 2020 and then declined to 4.9 percent in 2021, due to the employment changes experienced in response to the COVID-19 pandemic closures and restrictions. In 2022, the study area unemployment rate further declined to 2.9 percent. Regional and state unemployment data are currently unavailable for 2023, but the national rate remained steady at 3.6 percent, which is the same as 2022. Unemployment rates have returned to pre-pandemic levels as of 2022.

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Figure 2-5
Historical Unemployment Rates
1990 – 2023

Source: Bureau of Labor Statistics

2.6 Regional Tourism

As shown in **Table 2-13**, Orlando hosted a record 75.8 million visitors in 2019, a 1.0 percent increase over the 75.0 million visitors in 2018. Tourism stagnated after the September 11th terrorist attacks, and remained tepid during the Great Recession, but has increased every year since 2011. Tourism declined significantly to only 35.3 million visitors, or by 53.5 percent, in 2020 due to the COVID-19 pandemic and the corresponding travel restrictions, including the closure of area attractions through the Summer of 2020. International tourists held steady in 2019 with 6.5 million visitors but declined considerably in 2020 to only 1.7 million. In 2021, tourism increased to 59.3 million over 2020, with domestic visitors accounting for 57.2 million and international visitors accounting for 2.1 million. Tourism returned to pre-pandemic levels in 2022 with 74.0 million visitors to Orlando, including 69.1 million domestic and 4.9 million international, which can be partially attributed to Walt Disney World celebrating its 50th anniversary.

Table 2-13 Orlando Visitors (Millions) 2012 – 2022

Visitors	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2012-'22 CAAGR
Domestic	52.9	54.4	57.4	60.6	62.3	65.9	68.6	69.3	33.6	57.2	69.1	2.7%
International	4.3	4.9	5.4	5.9	5.7	6.2	6.5	6.5	1.7	2.1	4.9	1.4%
Total	57.2	59.3	62.8	66.5	68.0	72.0	75.0	75.8	35.3	59.3	74.0	2.6%

Source: Visit Orlando

As shown in **Table 2-14**, the Metro Orlando area hotel occupancy rate was only 41.5 percent in 2020, a significant decrease from 2019 due to the travel restrictions during the COVID-19 pandemic and the overall reduction in tourism. The 2020 average daily room rate was \$109.74, which was a 13.6 percent decline compared to 2019. While room rates mostly rebounded in 2021 to \$121.40 per night, the occupancy rate, at 57.8 percent is still well below pre-pandemic levels. In 2022, the average daily room rate increased significantly by 53.6 percent to \$186.49 with occupancy rates at 73.7 percent, nearly returning to pre-pandemic levels. The 2023 average daily room rate of \$192.98 increased by 3.5 percent over 2022, while the occupancy rate declined slightly to 72.7 percent. Most lodging units are concentrated around Walt Disney World, International Drive (near Universal Studios, SeaWorld, and the Orange County Convention Center), and in Kissimmee.

Table 2-14
Metro Orlando Area Lodging
2011 - 2023

	Metro Orlando	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Occupancy Rate	68.8%	71.0%	71.9%	77.0%	75.5%	79.3%	77.5%	76.1%	41.5%	57.8%	73.7%	72.7%
	Average Daily Rate	\$96.88	\$101.53	\$107.26	\$112.00	\$116.00	\$121.53	\$127.32	\$126.95	\$109.74	\$121.40	\$186.49	\$192.98
ı	Room-Night Demand (millions)	29.3	30.1	N/A*	33.0	33.0	34.7	34.5	34.5	15.3	25.8	34.6	34.4

*2014 room night demand not available

Source: Visit Orlando

The historical and projected enplanements, or boardings, at the Orlando International Airport (OIA) are shown in Table 2-15 and Table 2-16. OIA enplanements increased over six million from 1990 to 2000, equating to an increase of 69.1 percent. Enplanements totaled 24.1 million in 2019, 64.0 percent above the 2000 total; however, the number almost halved in 2020 during the COVID-19 pandemic, down to under 14.0 million, about the same volumes as in 1999. In 2022, enplanements totaled 23.7 million, significantly exceeding 2010 levels. The United States Department of Transportation Federal Aviation Administration (FAA) forecasts OIA enplanements will rebound to 2019 levels by 2023, with average of future growth of 3.6 percent per year through 2040. OIA announced that March 2023 was a record-breaking season for the airport. The highest single-day enplanement record was set on March 11, 2023, with 95.2 thousand enplanements that day. Enplanements are an indicator of tourism and economic growth.

Table 2-15 Historical OIA Enplanements 1990 - 2022

	1990	2000	2010	2022
Enplanements	8,683,491	14,683,594	16,651,359	23,687,082

Source: Federal Aviation Administration Terminal Area Forecasts

Table 2-16
Projected OIA Enplanement Growth
2020 – 2040

	2020-'22	2020-'30	2030-'40	2022-'40
Enplanements	30.1%	9.7%	2.4%	3.6%

Source: Federal Aviation Administration Terminal Area Forecasts

Metropolitan Orlando has several of the largest theme parks in the nation, which will continue contributing growth to Central Florida due to new and future attractions.

As shown in Table 2-17, the Magic Kingdom attracts the relatively highest number of visitors of all the area attractions, with 21.0 million in 2019. However, it, along with all other attractions, lost between 60 and 70 percent of annual visitors in 2020 due to COVID-19 pandemic-related closures. In 2021, the Magic Kingdom attracted 12.7 million visitors or an 82.8 percent increase over 2020. Magic Kingdom attendance increased again in 2022 to 17.1 million visitors, or an increase of 35.0 percent over 2021. Water parks exhibited a similar relative decline in 2020, with Blizzard Beach declining further, by over 84 percent. Typhoon Lagoon was closed in 2020 and into 2021. However, by the end of 2021, Blizzard Beach attracted 1.2 million visitors or an increase of 280.1 over 2020. Blizzard Beach closed for most of 2022 for refurbishment. Declines in 2020 stemmed from both temporary park closures for days-to-months, as well as the aversion effect from the COVID-19 pandemic, with prospective visitors declining or deferring attendance until vaccinations and/or low virus caseloads. Attendance increased at all theme parks in 2022, which is expected to continue into 2023.

Table 2-17
Central Florida Attraction Attendance (Millions)
2014 - 2022

Theme Parks	2014	2015	2016	2017	2018	2019	2020	2021	2022	2021-'22	2014-'22
Disney's Magic Kingdom	19.3	20.5	20.4	20.5	20.9	21.0	6.9	12.7	17.1	35.0%	-1.5%
Disney's Epcot Center	11.5	11.8	11.7	12.2	12.4	12.4	4.0	7.8	10.0	29.0%	-1.7%
Disney's Animal Kingdom	10.4	10.9	10.8	12.5	13.8	13.9	4.2	7.2	9.0	25.5%	-1.8%
Disney's Hollywood Studios	10.3	10.8	10.8	10.7	11.3	11.5	3.7	8.6	10.9	26.9%	0.7%
Islands of Adventure at Universal Orlando	8.1	8.8	9.4	9.5	9.8	10.4	4.0	9.0	11.0	22.4%	3.9%
Universal Studios at Universal Orlando	8.3	9.6	10.0	10.2	10.7	10.9	4.1	9.0	10.8	19.6%	3.3%
Seaworld Orlando	4.7	4.8	4.4	4.0	4.6	4.6	1.6	3.1	4.5	46.0%	-0.6%
Water Parks											
Typhoon Lagoon	2.2	2.3	2.3	2.3	2.3	2.2	Closed	Closed	1.9	-	-
Blizzard Beach	2.0	2.1	2.1	1.9	2.0	2.0	0.3	1.2	0.1	-91.6%	-31.2%
Aquatica	1.6	1.6	1.5	1.4	1.6	1.5	0.5	1.1	1.5	35.0%	-0.2%
Volcano Bay (formerly Wet 'n Wild)	1.3	1.3	1.3	Closed	1.7	1.8	0.6	1.7	1.9	9.4%	4.7%

Source: Visit Orlando – Themed Entertainment Association (TEA) and AECOM

2.7 Fuel Prices

Figure 2-6 contains an account of weekly retail prices for regular-grade Florida gasoline from July 2013 through early January 2024. From July 2013 through June 2014, gasoline prices fluctuated within a relatively narrow range around \$3.50 per gallon. Beginning October 2014, however, motor fuel prices declined noticeably. Since March 2016, prices increased slightly to \$2.79 at the beginning of October 2018, thereafter, fluctuating around \$2.00 through the end of December 2020. Due to the closure of several national pipelines, prices increased to over \$3.00 by the end of 2021. Additional supply restrictions and speculation resulting from the Ukrainian War drove prices over \$4.00 between March 2022 and July 2022, peaking at \$4.85 the second week of June 2022. By January 2023, prices had dropped to an average of \$3.30 per gallon as national reserves were opened and supplies stabilized. Average prices in January 2024 dropped to \$3.03 per gallon. The U.S. Energy Information Administration expects gas prices to continue to decrease in 2024 and 2025 due to increased refinery capacity and slightly reduced consumption during that time.

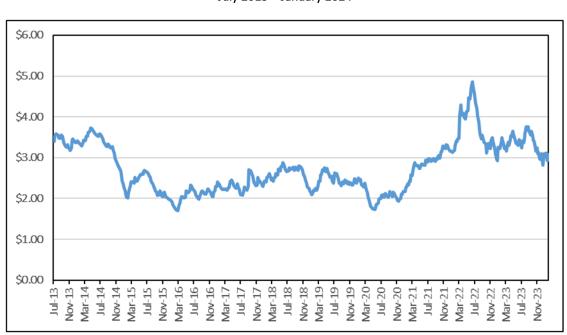


Figure 2-6
Florida Gasoline Prices (Regular Grade/Gallon)
July 2013 – January 2024

Source: U.S. Energy Information Administration



Chapter 3

S.R. 528

Martin B. Andersen Beachline Expressway

S.R. 528 (MARTIN B. ANDERSEN BEACHLINE EXPRESSWAY)

3.1 Facility Description

S. R. 528, also known as the Martin B. Andersen Beachline Expressway, is a 41-mile expressway that extends east from Interstate 4 (I-4) in the International Drive resort area to U.S. Highway 1 in Brevard County near the Atlantic Ocean. The Beachline Expressway is owned, operated, and maintained by two agencies, CFX and FTE. CFX is responsible for the 23-mile portion of S.R. 528 from Boggy Creek Road/Sand Lake Road east to S.R. 520 with three mainline plaza groups including the Airport Main, Beachline Main and Dallas Main. Ramp tolls are located at the Boggy Creek Road/McCoy Road ramps to/from the east, the Conway Road/Tradeport Drive ramps to/from the east, the Innovation Way interchange to/from the east, and the Dallas Boulevard ramps to/from



the west. FTE is responsible for the 8-mile segment of S.R. 528 from I-4 east to Boggy Creek Road known as the Beachline West Expressway with one mainline toll plaza. FTE is also responsible for the 15-mile portion of S.R. 528 from S.R. 520 east to Interstate 95 known as the Beachline East Expressway. A map of the CFX portion and the FTE western portion of S.R. 528, including the FY 2023 toll rates for the mainline and ramp toll plazas, is shown in **Figure 3-1**.

The original segment of S.R. 528 opened in 1967 as the Bee Line Expressway, providing a direct tolled route from Orlando starting at Narcoossee Road to the Space Coast. In July 1983, the segment of S.R. 528 from McCoy Road to S.R. 436/Semoran Boulevard was upgraded to a limited-access expressway, the Airport Main plaza was added, and the Airport Interchange was opened to traffic. The Airport Interchange connects the Orlando International Airport (OIA) with S.R. 528 and with S.R. 436. This 2.6-mile segment was a six-lane, limited-access expressway with frontage roads extending from an interchange with McCoy Road to the Airport interchange. S.R. 528 remained the only limited-access route into OIA until the south access road at Boggy Creek Road and John Young Parkway sections of S.R. 417 opened in July 1993.

The current configuration of S.R. 528 is a result of many facility improvements over the years, with the improvements in the last ten years summarized in **Table 3-1**.

Monument Pkwy. / ICP Blvd. **Barrier Toll Location** - Ramp Toll Location 520 Innovation Way Sunbridge Pkwy. LEGEND Existing CFX System Existing FTE System E-PASS Toll Rate (2-axle) Cash Toll Rate (2-axle) PBP Toll Rate Beachline Main \$0.98 \$1.25 (2-axle) Dallas Main** \$0.83 \$1.50 \$0.00 \$0.00 Central Florida GreeneWay TOLL 417 Dallas Blvd. * \$1.23 ETC / \$1.50 cash of Beachline West Main toll amount is collected by FTE for CFX. ** \$0.26 ETC / \$0.75 cash of Dallas Main toll amount is collected by CFX for FTE. TOLL 228 Narcossee Rd. Match Line B TOLL 528 Goldenrod Rd. 551 Match Line A Orange Ave. 436 527 Sand Lake Rd. Conway Rd. Orange Blossom Trail McCoy Rd. Boggy Creek Rd. 482 Not to Scale Match Line A

Figure 3-1 S.R. 528 Facilities and FY 2023 Toll Rates

Table 3-1 S.R. 528 Facility Improvements

Date Opened	Improvement Description
July 2009	Beachline Main Plaza was converted to an express style plaza.
May 2010	Monument Parkway (feeder road) was completed to International Corporate Park (ICP) interchange, connecting Alafaya Trail/Innovation Way to S.R. 528.
March 2012	Dallas Main and Dallas Blvd. Ramp Plazas opened, toll schedule restructure at Beachline Main.
November 2014	Decommission of Airport Main Plaza with execution of an "Interagency Toll Collection Agreement" with FDOT to collect Airport tolls at Beachline West Plaza. Ramp plazas added at Conway Rd. and Boggy Creek Rd. ramps to/from east and rebate plaza installed at Boggy Creek Rd. ramps for traffic to/from west.
December 2015	Negotiated purchases and easements on S.R. 528 completed with Virgin Trains USA (dba Brightline) for northern extension of high-speed rail to Orlando.
March 2018	Innovation Way Interchange opened, which replaced the ICP Blvd. interchange to accommodate the Brightline Train.
July 2022	S.R. 436 Interchange and widening of mainline between Conway Rd. and Goldenrod Rd. with one additional lane in each direction.
Late 2023	Eastbound S.R. 528 Capacity Improvement from Narcoossee Rd. to S.R. 417 will widen EB direction from two to three through lanes. Currently under construction.

3.2 Historical Transactions and Toll Revenues

As defined in Chapter 1, CFX transactions and toll revenues are classified as either paid in-lane (ETC and cash) or unpaid in-lane (PBP and non-revenue). Total transactions are the sum of the two. Total revenue is the sum of paid in-lane revenue and the revenue collected through the PBP process, estimated as an accrued amount. The following sections include a breakdown of transactions and revenues by paid in-lane and then by PBP, as the two payment types are forecasted independently.

3.2.1 ANNUAL PAID IN-LANE TRANSACTION AND REVENUE TRENDS

A history of annual paid in-lane transactions on S.R. 528 at the Beachline Main, Airport Main and Dallas Main plaza groups from FY 2013 to FY 2023 is presented in the top half of **Table 3-2**. Annual paid in-lane revenues are also summarized and totaled in the bottom half of the table. The S.R. 528 annual paid in-lane transaction and revenue trends including annual growth are also presented visually in **Figure 3-2** and **Figure 3-3**. These historical tables do not include PBP transactions and revenues, only those that are paid in-lane. For this reason, the information presented in this section may differ slightly from the data presented in the FY 2023 Annual Comprehensive Financial Report (ACFR) and other information in this report.

Table 3-2 S.R. 528 Plaza Groups – Historical Paid In-Lane Transactions and Revenue FY 2013 – FY 2023

Fiscal Year	Airport	Beachline	Dallas	TOTAL	Aires de Maire	Beachline	Delle Meie	TOTAL
	Main	Main	Main	TOTAL	Airport Main	Main	Dallas Main	TOTAL
A P		TRANSACTIO				PERCENT	CHANGE	
2013 ^{A,B}	26.4	16.7	14.5	57.6	-	-	-	-
2014	27.0	17.6	15.1	59.7	2.3%	5.4%	4.1%	3.6%
2015	28.8	19.0	16.4	64.2	6.7%	8.0%	8.6%	7.5%
2016 ^c	32.6	20.9	18.0	71.5	13.2%	10.0%	9.8%	11.4%
2017 ^D	36.6	21.7	18.5	76.8	12.3%	3.8%	2.8%	7.4%
2018 ^E	36.8	21.6	18.3	76.7	0.5%	-0.5%	-1.1%	-0.1%
2019 *	36.8	22.0	18.3	77.1	0.0%	1.9%	0.0%	0.5%
2020 ^{•, F}	31.9	19.6	16.5	68.0	-13.3%	-10.9%	-9.8%	-11.8%
2021 ^{•,G}	28.7	18.4	15.7	62.8	-10.0%	-6.1%	-4.8%	-7.6%
2022 *	38.2	22.0	18.9	79.1	33.1%	19.6%	20.4%	26.0%
2023 *,H	40.4	22.6	19.5	82.5	5.8%	2.7%	3.2%	4.3%
		TOLL REVEN	JES (millions	s)		PERCENT	CHANGE	
2013 ^{A,B}	\$30.9	\$16.0	\$7.6	\$54.5	-	-	-	-
2014	\$31.6	\$16.8	\$7.9	\$56.3	2.3%	5.1%	4.4%	3.4%
2015	\$33.6	\$18.2	\$8.6	\$60.4	6.3%	8.3%	8.9%	7.3%
2016 ^c	\$37.3	\$20.0	\$9.4	\$66.7	11.0%	9.9%	9.3%	10.4%
2017 ^D	\$41.4	\$20.7	\$9.7	\$71.8	11.0%	3.5%	3.2%	7.6%
2018 ^E	\$41.6	\$20.6	\$9.6	\$71.8	0.5%	-0.5%	-1.0%	0.0%
2019 *	\$42.0	\$21.3	\$10.5	\$73.8	1.0%	3.4%	9.4%	2.8%
2020 *,F	\$36.6	\$20.2	\$9.6	\$66.4	-12.9%	-5.2%	-8.6%	-10.0%
2021 *,G	\$33.7	\$19.3	\$9.4	\$62.4	-7.9%	-4.5%	-2.1%	-6.0%
2022 *	\$45.0	\$23.3	\$11.6	\$79.9	33.5%	20.7%	23.4%	28.0%
2023 *,H	\$48.7	\$25.0	\$12.4	\$86.1	8.2%	7.3%	6.9%	7.8%

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

A - Dallas Main Plaza opened to traffic on March 19, 2012. Beachline Main plaza toll reduced from \$1.50\$ to \$0.75.

B - Systemwide toll rate increase in July 2012. Implementation of cash

and electronic toll rate differential.

C - Airport Main Plaza stopped collecting tolls on 1/31/16. All

transactions and toll revenues are from ramps or the FTE plaza.

D - Effects from Hurricane Matthew in October 2016.

E - Effects from Hurrican e Irma in September 2017.

F - Effects from Hurricane Dorian in September 2019 and

first effects of COVID-19 pandemic began in March 2020.

 ${\sf G}$ - Continued effects of COVID-19 pandemic.

H - Effects from Hurricane Ian in September and October 2022.

Starting in FY 2013, paid in-lane transactions at the Airport Main plaza group declined by 1.4 percent, while paid in-lane revenues increased by 12.4 percent over FY 2012. This was expected due to the systemwide toll rate adjustment that went into effect on July 1, 2012 (FY 2013). The Beachline Main plaza group experienced an increase of 1.8 percent in transactions and decrease of 15.8 percent in revenues in FY 2013. As previously mentioned, tolls at the Beachline Main plaza were reduced in March 2012 along with the opening of the Dallas Main plaza. The Beachline Main plaza was also included in the FY 2013 systemwide toll rate adjustment. In FY 2013, transactions at the Dallas Main plaza increased by 237.2 percent and revenues increased by 243.9 percent compared to FY 2012. The reason for the huge growth rate is that the first year of toll collection at this new plaza (FY 2012) was for only four months.

In FY 2016, all plaza groups on S.R. 528 experienced growth in paid in-lane transactions and revenues compared to FY 2015. As a leap year, February 2016 included an extra day of transactions and toll revenue collection compared to February 2015. Part of the increase at the Airport Main plaza group is due to the change in the toll plan, or addition of the Boggy Creek Road and Conway Road ramp plazas, because of the mainline plaza removal. Transactions at the FTE Beachline West Main Plaza are included as part of the Airport Main plaza group.

In October 2016 (FY 2017), Hurricane Matthew tracked parallel to the Florida coast as a Category 3 storm with winds up to 130 miles per hour. Tolls were suspended on the CFX System beginning at 8:00 p.m. on October 5, 2016 through early on October 10, 2016. The toll suspension resulted in a loss of approximately 0.8 million transactions and \$0.7 million in toll revenues on S.R. 528.

In September 2017 (FY 2018), Hurricane Irma tracked parallel to the Florida coast as a Category 4 storm with winds up to 155 miles per hour. Tolls were suspended on CFX toll facilities beginning on September 5, 2017 through September 20, 2017 resulting in a transaction loss of approximately 3.4 million and a toll revenue loss of \$3.2 million on S.R. 528. Due to toll suspensions, S.R. 528 experienced no growth in total transactions and revenues in FY 2018.

In FY 2019, S.R. 528 total paid in-lane transactions increased by 0.5 percent and paid in-lane revenues increased by 2.8 percent compared to FY 2018. The slower growth in FY 2019 can be attributed to customers choosing to pay via the PBP program.

35.0% 90.0 30.0% 0.08 25.0% 70.0 20.0% Growth (Percent Change) 60.0 15.0% 50.0 10.0% 40.0 5.0% 30.0 0.0% 20.0 🚡 -5.0% 10.0 -10.0% Fiscal Years -15.0% 0.0 2023 2013 2016 2018 2017 Growth Paid In-Lane Transactions

Figure 3-2 S.R. 528 Historical Paid In-Lane Transactions and Annual Growth FY 2013 – FY 2023

Source: Monthly unaudited data provided by CFX

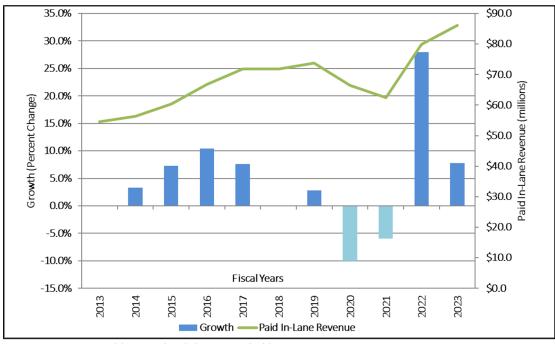


Figure 3-3
S.R. 528 Historical Paid In-Lane Revenue and Annual Growth
FY 2013 – FY 2023

Source: Monthly unaudited data provided by CFX

In FY 2020 and FY 2021, all S.R. 528 plaza groups experienced a decline in paid in-lane transactions and revenues, despite the FY 2020 and FY 2021 toll rate adjustments. The declines in both transactions and revenues can primarily be attributed to the continued negative impacts of the COVID-19 pandemic. Because the fiscal year begins in July, FY 2020 only included four months of the impacts of the COVID-19 pandemic. Thus, although April 2020 (FY 2020) contained the deepest impacts of the COVID-19 pandemic, the total annual impacts were greater in FY 2021, which included a full year of travel reductions and the initial recovery. It should also be noted that In FY 2020, September 2019 transactions and revenues were also negatively impacted by toll suspensions during Hurricane Dorian. Tolls were suspended on CFX toll facilities beginning on September 1, 2019 through September 5, 2019 resulting in a transaction loss of approximately 0.9 million and a toll revenue loss of \$0.9 million on S.R. 528.

In FY 2022, all S.R. 528 plaza groups experienced a significant increase in paid in-lane transactions and revenues. The increases in both transactions and revenue reflects the recovery from the negative impacts of the COVID-19 pandemic and the return of normal tourism activity to the Central Florida attractions. The FY 2022 toll rate adjustment was another factor in the increase in revenue.

In FY 2023, S.R. 528 total paid in-lane transactions increased by 4.3 percent and paid in-lane revenues increased by 7.8 percent compared to FY 2022. Despite the increase over FY 2022, September and October 2022 transactions and revenues were negatively impacted by toll suspensions during Hurricane Ian. Tolls were suspended on CFX toll facilities beginning at 5:00 PM

on September 27, 2022 through 6:00 AM on October 15, 2022 (over 17 days) resulting in a transaction loss of approximately 4.5 million and a toll revenue loss of \$5.2 million on S.R. 528.

The share by plaza group of total S.R. 528 paid in-lane transactions and toll revenues during FY 2023 are shown in **Figure 3-4**. The Airport Main plaza group represented 40.4 million transactions or 49.0 percent of total S.R. 528 transactions. The Beachline Main plaza group carried 22.6 million or 27.4 percent of total transactions on the facility. Finally, the Dallas Main plaza group represented 19.5 million or 23.6 percent of the total transactions in FY 2023.

The annual amounts and shares of paid in-lane revenues differ from those reported for annual paid in-lane transactions because of differences in the toll rates. As shown, the Airport Main plaza group represented \$48.7 million in revenues or 56.6 percent of total revenues. The Beachline Main plaza group carried \$25.0 million or 29.0 percent of revenues on the facility. Finally, because of the lower toll amount, the Dallas Main plaza group represented \$12.4 million, or 14.4 percent of total revenues in FY 2023.

Transactions Toll Revenues 14.4% 23.6% \$12.4M 19.5M 49.0% 56.6% 40.4M \$48.7M 29.0% \$25.0M 27.4% 22.6M Airport Main **Dallas**

Figure 3-4
S.R. 528 Paid In-Lane Transactions and Revenue by Plaza Group
FY 2023

Source: Monthly unaudited data provided by CFX

3.2.2 ANNUAL PBP TRANSACTION AND REVENUE TRENDS

A history of annual PBP transactions and revenue on S.R. 528 from FY 2013 to FY 2023 is presented in **Table 3-3**. PBP transactions and toll revenues are recorded by toll location and accrued monthly by plaza group, however Table 3-3 shows the annual totals for S.R. 528 as reported at year end.

Table 3-3
S.R. 528 – Historical PBP Transactions and Revenue
FY 2013 – FY 2023

Fiscal Year	Transactions (millions)	Percent Change	Toll Revenues (millions)	Percent Change
2013	1.0	-	\$1.0	-
2014	1.2	20.0%	\$1.2	20.0%
2015	1.6	33.3%	\$1.6	33.3%
2016	2.2	37.5%	\$2.3	43.8%
2017	2.7	22.7%	\$3.8	65.2%
2018	3.2	18.5%	\$3.8	0.0%
2019	6.0	87.5%	\$6.2	63.2%
2020	7.1	18.3%	\$7.9	27.4%
2021	7.9	11.3%	\$14.4	82.3%
2022	8.6	8.9%	\$15.9	10.4%
2023	9.6	11.6%	\$18.8	18.2%

Source: Monthly unaudited data provided by CFX

PBP transactions have increased from 1.0 million in FY 2013 to 9.6 million in FY 2023, while PBP revenues have increased from \$1.0 million to \$18.8 million over the same period. In FY 2023, PBP transactions increased 11.6 percent and PBP revenues increased 18.2 percent over FY 2022. As shown in the table, the rate of growth in PBP transactions is recently trending downward. During the early part of the COVID-19 pandemic, cash toll collection was suspended for several months. For this reason, PBP transactions and revenue increased year-over-year in FY 2020 and in FY 2021. The significant increase in PBP revenues in FY 2021 can also be attributed to the new PBP toll rate adopted by the CFX Board that went into effect on July 1, 2020 (FY 2021). At that time, the PBP toll rate at all toll locations was increased to twice the ETC toll rate, reflecting the cost to collect PBP tolls. Because of the new PBP toll rate, it was anticipated that going forward a portion of customers paying via PBP will switch to ETC to avoid the higher toll rate. However, recent trends over the past few years do not reflect this result. This may be due to customer travel frequency and/or the convenience of PBP compared to establishing a transponder account. Overall, the recent increase in customer preference for PBP has contributed to a smaller share of paid in-lane transactions and revenue.

3.2.3 Monthly Paid In-Lane Transaction Seasonal Variation

In **Table 3-4**, monthly paid in-lane transactions are normalized to the average number of paid inlane transactions per day. Considering the average number of transactions per day allows for an easy comparison of the variations in relative travel demand over the year. The seasonal pattern of usage changes slightly from year to year, based on the number of weekdays in each month. Due to the toll suspensions during Hurricane Ian, September average daily transactions were adjusted to only include 27 days of toll collection during the month and October was adjusted to only 17 days of toll collection to normalize the data.

Average transactions per day in FY 2023 on S.R. 528 ranged from a low of approximately 221,700 in July 2022 to a high of 274,900 in March 2023. March is typically the month with the highest average number of transactions per day due to the large number of tourists and seasonal residents in the area during the spring, but this fiscal year the March numbers were significantly higher than normal. These data are presented in a graphical format in **Figure 3-5**. The transactions for each month appear as a percentage of the average for the fiscal year. July paid in-lane transactions were 6.5 percent below average and March paid in-lane transactions were 16.0 percent above average for the facility.

Table 3-4
S.R. 528 – Monthly Seasonal Variation in Paid In-Lane Transactions
FY 2023

Month	Number of Days in Month	Paid In-Lane Transactions	Average Transactions/Day	Seasonal Factor
July	31	6,872,102	221,700	0.935
August	31	6,964,230	224,700	0.948
September	27	6,188,354	229,200	0.967
October	17	3,970,887	233,600	0.986
November	30	6,744,982	224,800	0.949
December	31	7,198,879	232,200	0.980
January	31	7,158,058	230,900	0.974
February	28	6,634,985	237,000	1.000
March	31	8,522,290	274,900	1.160
April	30	7,558,068	251,900	1.063
May	31	7,563,504	244,000	1.030
June	30	7,114,714	237,200	1.001
Average		6,874,254	237,000	1.000
Total Year	348	82,491,053		

Source: Monthly unaudited data provided by CFX

16.0% 15% % Variation from Yearly Average 6.3% 5% 3.0% 0.1% 0.0% -1.4% -2.0% -3.3% -5% -5.2% -5.1% -6.5% -15% S.R. 528 Average Transactions Per Day = 237,000

Figure 3-5
S.R. 528 Variation in Paid In-Lane Transactions Per Day, by Month
FY 2023

Source: Monthly unaudited data provided by CFX

3.2.4 PAID IN-LANE TRANSACTIONS BY VEHICLE CLASS

The distribution of paid in-lane transactions at each of the S.R. 528 mainline plazas by vehicle class (number of axles) for FY 2023 is shown in **Table 3-5**. Overall, 92.8 percent of transactions on S.R. 528 were made by 2-axle vehicles, with minor variation among the two plaza groups. The next most frequent vehicle class was the five or more axles classification, which accounted for 4.1 percent of transactions on the facility. S.R. 528 has the second highest truck traffic amongst the CFX facilities as the Beachline Expressway serves the Orlando International Airport and provides direct access to Interstate 95 on the east coast of Florida. Three-axle vehicles, which include delivery and service vehicles, accounted for 1.8 percent. Four-axle vehicles represented the smallest category with only 1.3 percent of facility transactions.

Table 3-5
S.R. 528 Percent of Paid In-Lane Transactions by Vehicle Class
FY 2023

Vehicle Class	Beachline Main	Dallas Main	S.R. 528 Total
2-Axle	93.3%	92.1%	92.8%
3-Axle	1.8%	1.9%	1.8%
4-Axle	1.3%	1.3%	1.3%
5 or More Axles	3.6%	4.7%	4.1%
Total	100.0%	100.0%	100.0%

Source: Unaudited lane transaction data – May 2023

3.2.5 DAY-OF-WEEK TRANSACTION VARIATION

Figure 3-6 contains a comparison of transactions by day of week in FY 2023. These data are presented as an index, where the average day equals 100. An index value of 100 for a given day of the week would indicate that day's transactions were precisely the same volume as the facility's average. A value of 120 indicates a day that has a 20 percent greater volume than the average. As was done in prior years, the data used for this analysis were for a typical week in May 2023. The data include transactions at mainline plazas only (no ramps).

FY 2023 weekday transactions on S.R. 528 fluctuated over the course of the five-day work week. Transactions were highest on Fridays, with an index value of 110.5 (10.5 percent higher than the average day), and volumes on Monday through Thursday ranged from index values of 93.1 to 99.0. Saturday and Sunday volumes were higher with index values of 101.7 and 103.1, respectively. The steady volumes on Saturdays and Sundays can be attributed to tourism and beach-related travel using S.R. 528.

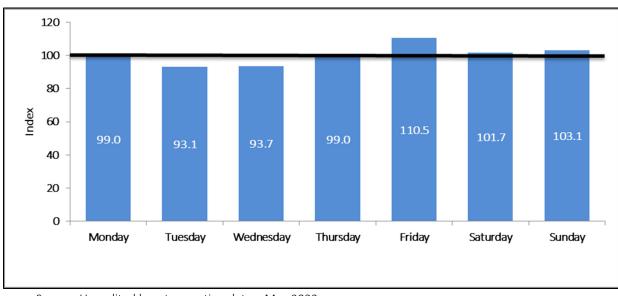


Figure 3-6
S.R. 528 Variation in Transactions, by Day of Week
FY 2023

Source: Unaudited lane transaction data – May 2023

3.2.6 HOURLY TRAFFIC DISTRIBUTION

The hourly distribution of traffic volumes includes information on the usage characteristics of the facility. The hourly distributions represent counts taken during a typical week at the mainline toll plazas during the month of May. The typical weekday hourly distribution is shown in **Figure 3-7** and the hourly distribution on weekend days is shown in **Figure 3-8**. The figures contain the sum of traffic volumes in both directions.

The two mainline toll plaza locations on S.R. 528 exhibit similar hourly traffic patterns. On weekdays, travel demand at both locations is bimodal, with both a morning and an evening peak hour. The Beachline and Dallas mainline plazas both experienced slightly higher peak volumes in

the evening hours than in the morning hours. The highest peak hour volumes during the week were 5,700 per hour beginning at 4:00 p.m. at the Beachline mainline plaza and 4,300 per hour beginning at 4:00 p.m. at the Dallas mainline plaza. On weekends, there is a clear peak between 10:00 a.m. and 11:00 a.m. and another peak in the afternoon reflecting traffic potentially heading to and returning from the beach for the day.

6.000 5,000 **Fransactions** 4,000 3,000 2,000 1,000 2:00 AM 3:00 PM 1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM L1:00 PM Time of Day Beachline

Figure 3-7 S.R. 528 Hourly Two-Way Traffic Variation (Weekday) FY 2023 (May)

Source: Unaudited lane traffic data - May 2023

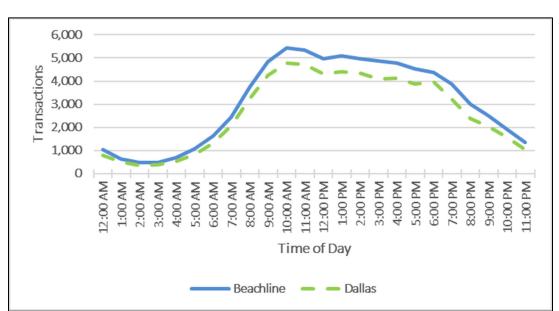


Figure 3-8
S.R. 528 Hourly Two-Way Traffic Variation (Weekend)
FY 2023 (May)

Source: Unaudited lane traffic data – May 2023

3.2.7 TRANSACTIONS AND REVENUE BY PAYMENT METHOD

The percentage and distributions of transactions and revenue by payment method for the overall year and by month during FY 2023 are presented in **Figure 3-9**, **Figure 3-10**, and **Figure 3-11**. Customers pay tolls in one of three ways: cash, ETC, and PBP. As defined in Chapter 1 of this report, paid in-lane transactions and revenue include cash and ETC payments made when a customer travels through a CFX toll location. The remaining transactions and revenue are classified as unpaid in-lane, which includes PBP and a small portion of non-revenue transactions. PBP transactions and revenues are estimated monthly based on a FY 2023 accrual rate of 50 percent of all unpaid inlane transactions. This means that the PBP transactions and revenue shown here are estimates of the levels that will eventually pay tolls through the PBP process.

As shown in Figure 3-9, overall, ETC accounted for 85.1 percent of total transactions on the facility. PBP accounted for 10.4 percent of total transactions on the facility. Cash accounted for 4.5 percent of total transactions on the facility, which is the highest percentage of cash payment on the system. The share of toll revenues by payment method is comparable to the share of transactions, recognizing the differences in the toll paid by payment method. Overall, ETC accounted for 77.6 percent of total revenue on the facility. PBP accounted for 17.9 percent of total revenue on the facility. Cash accounted for 4.5 percent of total revenue on the facility, again the highest cash payment percentage on the system.

Transactions
4.5%
4.5%
17.5%

**ETC ** PBP ** Cash

Figure 3-9
S.R. 528 Percent Transactions and Revenue by Payment Method
FY 2023

Source: Monthly unaudited transaction data provided by CFX

As shown in Figure 3-10, ETC transactions on S.R. 528 ranged from a low of 3.8 million in October 2022 (due to toll suspensions during Hurricane Ian) to a high of 8.1 million in March 2023. The PBP transactions ranged from a low of 0.5 million to a high of over 0.9 million. Cash transactions ranged from a low of approximately 0.2 million to a high of just over 0.4 million.

As shown in Figure 3-11, ETC revenue on S.R. 528 ranged from a low of \$4.0 million in October 2022 to a high of \$8.4 million in March 2023. The PBP revenue ranged from a low of \$0.9 million to a high of \$1.8 million. Cash revenue ranged from a low of \$0.2 million to a high of \$0.5 million.

The differences in revenue performance by payment method is explained by differences in the toll rates. ETC customers pay the preferred toll rate; cash customers pay at least 10 percent higher rate than ETC rate; and PBP customers pay twice the ETC rate.

Figure 3-10
S.R. 528 Monthly Transactions by Payment Method
FY 2023

Source: Monthly unaudited transaction data provided by CFX

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Figure 3-11 S.R. 528 Monthly Revenue by Payment Method FY 2023

Source: Monthly unaudited toll revenue data provided by CFX

3.3 Forecasted Transactions and Toll Revenues

The forecasts of T&R are based on several assumptions about the future, including assumptions about future toll rates. Based on the CFX "Customer First Toll Policy," toll rate adjustments (indexed tolls) were applied to the T&R forecasts every year based on the net change in CPI for the prior year with a floor of 1.5 percent. At the time of preparing the T&R estimates and this report, CDM Smith learned that the net change in CPI during CY 2023 was 4.497 percent. Based on assurances from CFX, CDM Smith used this value to index toll rates for FY 2025. CDM Smith used the floor of 1.5 percent per year every year thereafter in the forecast period.

Future transportation improvements that could influence the T&R forecasts for S.R. 528 include the projects listed in **Table 3-6**, assumed completed in each model horizon year. System improvements, such as the S.R. 528 widening projects from S.R. 417 to Innovation Parkway and from S.R. 436 to S.R. 417 will help growth rates in the near term as these are areas of congestion. System improvements, such as S.R. 528 from Innovation Parkway to S.R. 520, will add to growth in the long term. The improvements to feeder roads, including Narcoossee Road positively impact the traffic and revenue growth on S.R. 528 throughout the forecast horizon.

Table 3-6
S.R. 528 - Key Transportation Improvements

Facility	From	То	Year	Jurisdiction	Improvement
Interstate 4	SR 434	Kirkman Road	2025	FDOT	Widen to 10 Lanes
S.R. 15 (Narcoossee Road)	S.R. 417 (Central FL Greeneway)	S.R. 528 (Beachline Expressway)	2025	City of Orlando/FDOT	Widen to 6 Lanes
S.R. 482/Sand Lake Road	Turkey Lake Road	W. of John Young Parkway	2025	FDOT	Widen to 6-lanes
S.R. 528	S.R. 436	S.R. 417	2025	CFX	Widen to 8-lanes
Kirkman Road Extension	Universal Boulevard	Carrier Drive	2025	Orange County	New 4 lane Highway
S.R. 528	S.R. 417	Innovation Parkway	2035	CFX	Widen to 6-lanes
Nova Road (CR 532)	US 192	Eden Drive	2035	Osceola County	Widen to 4 Lanes
Nova Road (CR 532)	Eden Drive	Deer Park Road	2035	Osceola County	Widen to 4 Lanes
Nova Road (CR 532)	Deer Park Road	Orange County Line	2045	Osceola County	Widen to 4 Lanes
Nova Road	East Nolte Road	US 192	2045	Osceola County	New 4 Lane Highway
S.R. 528	Innovation Parkway	S.R. 520	2045	CFX	Widen to 6-lanes

Historical and projected transactions and toll revenues for each of the S.R. 528 plaza groups and for all of S.R. 528 are summarized in **Table 3-7** and **Table 3-8**. The tables are divided into paid inlane and PBP transactions and revenue. The paid inlane transactions and revenue include ETC and cash collection. PBP is only reported as a total on the facility. The increase in transactions and revenue in FY 2016 over FY 2015 can partially be attributed to the opening of the two ramp plazas at Conway Road/Tradeport Drive and Boggy Creek Road/Sand Lake Road because of the relocation/removal of the Airport Main Plaza toll collection point to Beachline West.

The paid in-lane transactions on S.R. 528 are expected to grow by 2.0 percent per year through FY 2033 and then at lower rates through the end of the forecast period because of the impact of continued toll rate adjustments. PBP transactions are forecasted to increase by an average of 1.6 percent per year through FY 2033 and then decrease through the forecast period. Total transactions on S.R. 528 are projected to increase during the forecast period from the actual of 92.1 million in FY 2023 to 129.7 million in FY 2053. The paid in-lane revenues on S.R. 528 are projected to increase over the forecast period, from the FY 2023 actual of \$86.1 million to \$175.4 million in FY 2053. PBP revenues are projected to increase from \$18.8 million in FY 2023 to \$37.2 million in FY 2053. Total revenues on S.R. 528 are projected to increase during the forecast period from the actual \$104.9 million in FY 2023 to \$212.6 million in FY 2053. Total transactions are forecasted to increase an average of 1.9 percent per year from FY 2023 to FY 2033. Total revenues during the same period are forecasted to increase an average of 3.6 percent per year. Total transactions and revenues are forecasted to increase at an average of 0.9 and 2.1 percent per year from FY 2033 to FY 2043, and 0.6 and 1.5 percent per year from FY 2043 to FY 2053, respectively.

Table 3-7
S.R. 528 Plaza Groups – Transaction Projections (Millions)
FY 2024 – FY 2053

Fiscal Year		Airport Main	Beachline Main	Dallas Main	Paid In- Lane	PBP	Total	Percent Annual Change
2013 ^A		26.4	16.7	14.5	57.6	1.0	58.6	-
2014		27.0	17.6	15.1	59.7	1.2	60.9	3.9%
2015		28.8	19.0	16.4	64.2	1.6	65.8	8.0%
2016 ^B		32.6	20.9	18.0	71.5	2.2	73.7	12.0%
2017 ^C	_	36.6	21.7	18.5	76.8	2.7	79.5	7.9%
2018 ^D	Actual	36.8	21.6	18.3	76.7	3.2	79.9	0.5%
2019 ^{*E}	٧	36.8	22.0	18.3	77.1	6.0	83.1	4.0%
2020 ^{*F}		31.9	19.6	16.5	68.0	7.1	75.1	-9.6%
2021 ^{*G}	١	28.7	18.4	15.7	62.8	7.9	70.7	-5.9%
2022*H		38.2	22.0	18.9	79.1	8.6	87.7	24.0%
2023 ^{*1}	j	40.4	22.6	19.5	82.5	9.6	92.1	5.0%
2024	T	43.9	24.1	20.7	88.7	10.0	98.7	7.2%
2025		44.5	24.7	21.0	90.2	10.2	100.4	1.7%
2026		45.0	25.0	21.3	91.3	10.5	101.8	1.4%
2027		45.8	25.3	21.6	92.7	10.5	103.2	1.4%
2028		46.5	25.7	21.9	94.1	10.6	104.7	1.5%
2029		47.1	26.0	22.2	95.3	10.8	106.1	1.3%
2030		47.8	26.4	22.6	96.8	11.0	107.8	1.6%
2031		48.4	26.7	22.8	97.9	11.0	108.9	1.0%
2032		49.0	27.0	23.1	99.1	11.1	110.2	1.2%
2033	ŀ	49.6	27.4	23.4	100.4	11.3	111.7	1.4%
2034		50.2	27.7	23.7	101.6	11.3	112.9	1.1%
2035		50.8	28.0	24.0	102.8	11.5	114.3	1.2%
2036		51.3	28.3	24.2	103.8	11.5	115.3	0.9%
2037	Forecast	51.8	28.5	24.5	104.8	11.6	116.4	1.0%
2038	ě	52.4 52.9	28.8	24.7 24.9	105.9 106.9	11.7 11.8	117.6 118.7	1.0% 0.9%
2040	ᅙ	53.4	29.3	25.2	100.9	11.8	119.7	0.8%
2041		53.4	29.6	25.4	108.8	11.9	120.7	0.8%
2042		54.3	29.8	25.6	109.7	12.0	121.7	0.8%
2043		54.8	30.0	25.8	110.6	12.0	122.6	0.7%
2044		55.2	30.2	26.0	111.4	12.1	123.5	0.7%
2045		55.7	30.4	26.1	112.2	12.2	124.4	0.7%
2046		56.1	30.6	26.3	113.0	12.2	125.2	0.6%
2047		56.5	30.8	26.5	113.8	12.3	126.1	0.7%
2048		56.9	31.0	26.6	114.5	12.3	126.8	0.6%
2049		57.2	31.1	26.7	115.0	12.3	127.3	0.4%
2050		57.6	31.3	26.8	115.7	12.3	128.0	0.5%
2051		58.0	31.4	26.9	116.3	12.4	128.7	0.5%
2052		58.3	31.5	27.0	116.8	12.4	129.2	0.4%
2053		58.6	31.6	27.1	117.3	12.4	129.7	0.4%

Fiscal Year		Compound Anr	nual Average	Growth Rat	e (CAAGR)	
2013 - 2023	4.3%	3.1%	3.0%	3.7%	25.4%	4.6%
2023 - 2033	2.1%	1.9%	1.8%	2.0%	1.6%	1.9%
2033 - 2043	1.0%	0.9%	1.0%	1.0%	0.6%	0.9%
2043 - 2053	0.7%	0.5%	0.5%	0.6%	0.3%	0.6%

*Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

Actual revenue data provided by CFX from Monthly Statistical Reports.

- A Systemwide toll rate increase.
- B Airport Main Plaza closed and new ramp plazas opened in March 2016.
- C Effects from Hurricane Matthew in October 2016.
- $\mbox{\bf D}$ Effects from Hurricane Irma in September 2017.
- ${\sf E}$ First year of implementation of "Customer First" toll rate policy.
- F Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- ${\sf G-New\ toll\ rates\ for\ PBP\ customers,\ set\ at\ 2.0\ times\ the\ ETC\ rate.\ Continued\ effects\ of\ COVID-19\ pandemic.}$
- H Completion of I-4 Ultimate project.
- I Effects from Hurricane Ian in September 2022.

Table 3-8
S.R. 528 Plaza Groups – Toll Revenue Projections (Millions)
FY 2024 – FY 2053

Fiscal Year		Airport Main	Beachline Main	Dallas Main	Paid In- Lane	PBP	Total	Percent Annual Change
2013 ^A		\$30.9	\$16.0	\$7.6	\$54.5	\$1.0	\$55.5	12.6%
2014		\$31.6	\$16.8	\$7.9	\$56.3	\$1.2	\$57.5	3.6%
2015		\$33.6	\$18.2	\$8.6	\$60.4	\$1.6	\$62.0	7.8%
2016 ^B		\$37.3	\$20.0	\$9.4	\$66.7	\$2.3	\$69.0	11.3%
2017 ^c	_	\$41.4	\$20.7	\$9.7	\$71.8	\$3.8	\$75.6	9.6%
2018 ^D	Actual	\$41.6	\$20.6	\$9.6	\$71.8	\$3.8	\$75.6	0.0%
2019 ^{*E}	ĕ	\$42.0	\$21.3	\$10.5	\$73.8	\$6.2	\$80.0	5.8%
2020 ^{*F}		\$36.6	\$20.2	\$9.6	\$66.4	\$7.9	\$74.3	-7.1%
2021 ^{*G}		\$33.7	\$19.3	\$9.4	\$62.4	\$14.4	\$76.8	3.4%
2022*H		\$45.0	\$23.3	\$11.6	\$79.9	\$15.9	\$95.8	24.7%
2023 ^{*I}		\$48.7	\$25.0	\$12.4	\$86.1	\$18.8	\$104.9	9.5%
2024		\$53.2	\$26.8	\$13.3	\$93.3	\$20.8	\$114.1	8.8%
2025		\$56.5	\$28.5	\$14.2	\$99.2	\$22.5	\$121.7	6.7%
2026		\$58.1	\$29.3	\$14.6	\$102.0	\$23.1	\$125.1	2.8%
2027		\$59.6	\$30.0	\$15.0	\$104.6	\$23.7	\$128.3	2.6%
2028		\$61.3	\$30.8	\$15.4	\$107.5	\$24.2	\$131.7	2.7%
2029		\$63.0	\$31.6	\$15.8	\$110.4	\$24.8	\$135.2	2.7%
2030		\$64.7	\$32.4	\$16.2	\$113.3	\$25.6	\$138.9	2.7%
2031		\$66.4	\$33.3	\$16.7	\$116.4	\$26.1	\$142.5	2.6%
2032		\$68.1	\$34.1	\$17.1	\$119.3	\$26.7	\$146.0	2.5%
2033 2034		\$69.7 \$71.4	\$34.9 \$35.7	\$17.5 \$17.9	\$122.1	\$27.1 \$27.8	\$149.2 \$152.8	2.2%
2034		\$71.4 \$73.0	\$35.7	\$17.9	\$125.0 \$127.8	\$27.8 \$28.4	\$152.8 \$156.2	2.4%
2036		\$73.6	\$30.3	\$18.7	\$130.6	\$28.4	\$150.2	2.2%
2037	۰	\$76.2	\$38.1	\$19.2	\$133.5	\$29.5	\$163.0	2.2%
2038	Forecast	\$77.8	\$38.9	\$19.6	\$136.3	\$29.9	\$166.2	2.0%
2039) Le	\$79.4	\$39.7	\$20.0	\$139.1	\$30.5	\$169.6	2.0%
2040	Ŗ	\$81.0	\$40.5	\$20.4	\$141.9	\$31.0	\$172.9	1.9%
2041		\$82.6	\$41.3	\$20.8	\$144.7	\$31.6	\$176.3	2.0%
2042		\$84.2	\$42.0	\$21.2	\$147.4	\$32.1	\$179.5	1.8%
2043		\$85.8	\$42.8	\$21.6	\$150.2	\$32.7	\$182.9	1.9%
2044		\$87.4	\$43.6	\$22.0	\$153.0	\$33.1	\$186.1	1.7%
2045		\$89.0	\$44.3	\$22.3	\$155.6	\$33.7	\$189.3	1.7%
2046		\$90.6	\$45.0	\$22.7	\$158.3	\$34.1	\$192.4	1.6%
2047		\$92.1 \$93.7	\$45.7 \$46.4	\$23.0	\$160.8	\$34.6	\$195.4	1.6%
2048 2049		\$93.7 \$95.2	\$46.4	\$23.4 \$23.7	\$163.5 \$165.9	\$35.1 \$35.5	\$198.6 \$201.4	1.6% 1.4%
2049		\$95.2	\$47.0	\$23.7	\$163.9	\$35.5 \$35.9	\$201.4	1.4%
2050		\$98.7	\$47.7	\$24.0	\$170.7	\$36.3	\$204.3	1.4%
2052		\$99.5	\$48.9	\$24.6	\$173.0	\$36.8	\$209.8	1.4%
2053		\$101.0	\$49.5	\$24.9	\$175.4	\$37.2	\$212.6	1.3%

Fiscal Year		Compound Annual Average Growth Rate (CAAGR)				
2013 - 2023	4.7%	4.6%	5.0%	4.7%	34.1%	6.6%
2023 - 2033	3.7%	3.4%	3.5%	3.6%	3.7%	3.6%
2033 - 2043	2.1%	2.1%	2.1%	2.1%	1.9%	2.1%
2043 - 2053	1.6%	1.5%	1.4%	1.6%	1.3%	1.5%

*Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

 $\label{lem:conditional} \mbox{Actual revenue data provided by CFX from Monthly Statistical Reports.}$

- A Systemwide toll rate increase.
- B Airport Main Plaza closed and new ramp plazas opened in March 2016.
- C Effects from Hurricane Matthew in October 2016.
- D Effects from Hurricane Irma in September 2017.
- ${\sf E}$ First year of implementation of "Customer First" toll rate policy.
- $F-Effects\ from\ Hurricane\ Dorian\ in\ September\ 2019\ and\ first\ effects\ of\ COVID-19\ pandemic\ began\ in\ March\ 2020.$
- ${\it G-New\ toll\ rates\ for\ PBP\ customers,\ set\ at\ 2.0\ times\ the\ ETC\ rate.\ Continued\ effects\ of\ COVID-19\ pandemic.}$
- H Completion of I-4 Ultimate project.
- I Effects from Hurricane Ian in September 2022.





S.R. 408 Spessard L. Holland East-West Expressway

S.R. 408 (Spessard L. Holland East-West Expressway)

4.1 Facility Description

S.R. 408, also known as the Spessard L. Holland East-West Expressway, is a 22-mile expressway that serves east-west commuter traffic across the Orlando urban area and provides fast and efficient access to and from the Orlando central business district. The East-West Expressway provides direct access to Interstate 4 (I-4) with an interchange that provides customers with a direct route to other major employment centers in the Metro Orlando area. A map of S.R. 408 including the FY 2023 CFX toll rates for the mainline and ramp toll plazas is shown in Figure 4-1. S.R. 408 has four plaza groups: the Hiawassee Main plaza group (including tolled interchanges at Good Homes Road and Hiawassee Road); the Pine Hills Main plaza group (including tolled



interchanges at Old Winter Garden Road, John Young Parkway, U.S. 92/441 and Mills Avenue); the Conway Main plaza group (including tolled interchanges at Bumby Avenue, Conway Road and Andes Avenue/Semoran Boulevard); and the Dean Main plaza group (including tolled interchanges at Dean Road and Rouse Road).

The original 13.8-mile section of S.R. 408 opened to traffic in 1973, beginning on the west side of Orlando at an intersection with S.R. 50, west of Kirkman Road, and ending at S.R. 50 east of Goldenrod Road (S.R. 551). This included the Holland West Main plaza (relocated and renamed Pine Hills in 2006) and the Holland East Main plaza (reconstructed and renamed Conway in 2008).

CFX completed a major expansion project in 1989 that extended S.R. 408 six miles eastward from its existing terminus near Goldenrod Road to a new interchange with S.R. 50, east of Alafaya Trail (S.R. 434). The expansion also included interchanges at Dean Road, Rouse Road and Alafaya Trail. The Dean Mainline plaza was also added, which is located between Dean Road and Rouse Road. In 1990, CFX, in cooperation with Florida's Turnpike Enterprise, completed another expansion that extended S.R. 408 westward from its original western terminus at S.R. 50 near Hiawassee Road five miles to an interchange with Florida's Turnpike. This expansion included interchanges at Hiawassee Road, Good Homes Road, and S.R. 50/Clarke Road. The Hiawassee Mainline plaza was added and located between Hiawassee Road and Good Homes Road. S.R. 408 currently extends from Florida's Turnpike on the west to S.R. 50 (east of S.R. 434) on the east.

CFX has maintained and improved capacity on S.R. 408 over the years through a series of programmed widenings and resurfacing efforts. The current configuration of the expressway is a result of these many facility improvements summarized in **Table 4-1**.

Florida's Turnpike System Match Line Barrier Toll Location Ramp Toll Location S. Bumby Ave. Existing CFX System E-PASS Toll Rate (2-axle) Cash Toll Rate (2-axle) PBP Toll Rate (2-axle) LEGEND S. Mills Ave. E. Anderson W. Gore St. E. South St. 434) Alafaya Tr. y.
S. Tampa S. Orange Ave. Blossom N. John Young Pkwy. Rouse Rd. Dean Main Old Winter Garden Rd. N. Dean Rd. Mercy Dr. Pine Hills N. Kirkman N. Pine Hills
Rd. Central Florida Greeneway 10t 417 10t 408 551 Chickasaw **8** . Goldenrod Rd. N. Hiawassee Lake Underhill Rd. Good Homes Rd. Andes Ave. \$1.23 \$1.50 Conway Main S. Conway Rd. Clarke Rd. **50** W. Colonial · Dr. Anid hoteM

Figure 4-1 S.R. 408 Facilities and FY 2023 Toll Rates

Table 4-1 S.R. 408 Facility Improvements

Date Opened	Improvement Description
January 2013	Widening of mainline between Goldenrod Rd. and Chickasaw Trail from three to four through lanes in each direction with new ramps at Chickasaw Trail (t/f west)
March 2013	Widening of mainline between Oxalis Ave. and S.R. 417 from three to four through lanes and reconfiguration of the S.R. 408 and S.R. 417 Systems Interchange
December 2017	Resurfacing project between Lake Underhill Bridge to Yucatan Dr. allowing for Conway Main Express toll lanes to be widened from three to four lanes in each direction
July 2018	Widening of mainline between Good Homes Rd. and Hiawassee Rd. from two to three lanes in each direction
August 2020	Widening of mainline between S.R. 417 and East Alafaya Trail from two to three through lanes, widening of westbound on ramp from Alafaya Trail to two lanes, and adding an additional express toll lane in each direction at the Dean Main toll plaza
Spring 2022	In partnership with FDOT, the reconstruction of the Interstate 4 and S.R. 408 Systems Interchange was completed, featuring new flyover ramps and direct connections to the I-4 Express Lanes

In the Five-Year Work Plan, CFX has several improvement projects planned to improve congestion locations along S.R. 408. In a partnership with the City of Orlando, CFX is currently designing improvements to the S.R. 408/Tampa Avenue interchange near Camping World Stadium. The planned improvements include completing the Tampa Avenue interchange to include ramps to and from the east on S.R. 408. The project will also relocate the U. S. 441 ramps to and from the west, which will be braided with the new Tampa Avenue ramps to avoid weaving issues. Complimenting this project, CFX is in the design phase of widening eastbound S.R. 408 between U.S. 441 and Orange Avenue including improvements to the ramps from U.S. 441 and to I-4. Another project in the design phase is widening westbound S.R. 408 between Bumby Avenue and I-4 and between Goldenrod Road and Semoran Blvd.

4.2 Historical Transactions and Toll Revenues

As defined in Chapter 1, CFX transactions and toll revenues are classified as either paid in-lane (ETC and cash) or unpaid in-lane (PBP and non-revenue). Total transactions are the sum of the two. Total revenue is the sum of paid in-lane revenue and the revenue collected through the PBP process, estimated as an accrued amount. The following section includes a breakdown of transactions and revenues by paid in-lane and PBP.

4.2.1 ANNUAL PAID IN-LANE TRANSACTION AND REVENUE TRENDS

A history of annual paid in-lane transactions on S.R. 408 at the Hiawassee Main, Pine Hills Main, Conway Main, and Dean Main plaza groups from FY 2013 to FY 2023 is presented in the top half of **Table 4-2**. Annual paid in-lane revenues are also summarized and totaled in the bottom half of the table. The S.R. 408 annual paid in-lane transaction and revenue trends including annual growth are also presented visually in **Figure 4-2** and **Figure 4-3**. These historical tables do not include PBP transactions and revenues, only those that are paid in-lane. For this reason, the information

presented in this section may differ slightly from the data presented in the FY 2023 Annual Comprehensive Financial Report (ACFR) and other information in this report.

Starting in FY 2013, paid in-lane transactions declined while revenues increased at all four plaza groups due to the toll rate adjustment that went into effect at the beginning of the fiscal year, on July 1, 2012, but both transactions and revenues recovered in FY 2014. In FY 2015 and 2016, paid in-lane transactions and revenues increased year over year at all four plaza groups, with increases in transactions and revenues partially attributed to customers diverting to S.R. 429/S.R. 408 as an alternative route to downtown Orlando during the I-4 construction.

In October 2016, Hurricane Matthew tracked parallel to the Florida coast as a Category 3 storm with winds up to 130 miles per hour. Tolls were suspended on the CFX System beginning at 8:00 p.m. on October 5, 2016 through early on October 10, 2016. The toll suspension resulted in a loss of approximately 1.7 million transactions and \$1.6 million in revenues on S.R. 408. In September 2017 (FY 2018), Hurricane Irma tracked parallel to the Florida coast as a Category 4 storm with winds up to 155 miles per hour. Tolls were suspended on CFX toll facilities beginning on September 5, 2017 through September 20, 2017 resulting in a transaction loss of approximately 6.7 million and a toll revenue loss of \$6.4 million on S.R. 408. Hurricane Matthew resulted in a lower year-over-year growth rates for FY 2017 of 1.0 percent and 0.7 percent in paid in-lane transactions and revenue, respectively, as compared to the growth rates achieved in prior years. However, given the severity of Hurricane Irma and the resulting toll suspensions in September 2017, paid in-lane transactions on S.R. 408 decreased by approximately 2.5 million, or 1.7 percent, in FY 2018 compared to FY 2017. FY 2018 paid in-lane revenues decreased by \$2.7 million, or 1.9 percent compared to FY 2017 (which had already exhibited reduced growth compared to prior years, as previously noted). The impacts of these storms to S.R. 408 may have been more severe than on other CFX Expressways due to the mix of trip types (i.e.., more commuters) served by the expressway.

As shown, paid in-lane transactions on S.R. 408 in FY 2019 decreased by approximately 4.1 million, or 2.8 percent, compared to FY 2018. FY 2019 paid in-lane revenues decreased by \$1.7 million, or 1.2 percent compared to FY 2018. The performance of paid in-lane transactions and revenues in FY 2019 can be attributed in part to the near doubling of customers utilizing the PBP program, an increase of 7.4 million transactions. This change in the share of paid in-lane transactions in FY 2019 is likely due to the shift of SunPass® transaction processing to the state's Centralized Customer Service System (CCSS) that year. S.R. 408 may have been more affected by this than other CFX expressways because of its regional connectivity (to Downtown Orlando and points east and west) and its direct connection to Florida's Turnpike. It should be noted that the Hiawassee Main plaza group did not experience the same reductions in paid in-lane transactions and revenue, possibly due to the completed widening of S.R. 408 in that area in FY 2019.

Table 4-2
S.R. 408 Plaza Groups – Historical Paid In-Lane Transactions and Revenue
FY 2013 – FY 2023

Fiscal Year	Hiawassee	Pine Hills	Conway	Dean	TOTAL	Hiawassee	Pine Hills	Conway	Dean	TOTAL
real	Main	Main	Main	Main	TOTAL	Main Main Main Main				TOTAL
Α.	TRANSACTIONS (millions)				PERCENT CHANGE					
2013 ^A	22.5	27.6	48.9	24.5	123.5	-	-	-	-	-
2014	24.1	29.2	51.1	25.3	129.7	7.1%	5.8%	4.5%	3.3%	5.0%
2015	26.4	31.6	53.9	26.3	138.2	9.5%	8.2%	5.5%	4.0%	6.6%
2016	28.6	33.7	56.4	27.5	146.2	8.3%	6.6%	4.6%	4.6%	5.8%
2017 ^B	29.6	34.2	56.4	27.5	147.7	3.5%	1.5%	0.0%	0.0%	1.0%
2018 ^c	29.8	34.2	54.6	26.6	145.2	0.7%	0.0%	-3.2%	-3.3%	-1.7%
2019 *	29.8	33.6	52.4	25.3	141.1	0.0%	-1.8%	-4.0%	-4.9%	-2.8%
2020 ^{*,D}	26.6	30.1	46.2	21.8	124.7	-10.7%	-10.4%	-11.8%	-13.8%	-11.6%
2021 ^{*,E}		31.4	50.3	22.1	130.9	1.9%	4.3%	8.9%	1.4%	5.0%
2022*	32.4	37.3	59.9	26.2	155.8	19.6%	18.8%	19.1%	18.6%	19.0%
2023 ^{*,F}	32.4	37.6	60.8	26.8	157.6	0.0%	0.8%	1.5%	2.3%	1.2%
	TOLL REVENUES (millions)				PERCENT CHANGE					
2013 ^A	\$18.0	\$29.3	\$51.9	\$20.1	\$119.3	-	-	-	-	-
2014	\$19.2	\$31.0	\$54.2	\$20.8	\$125.2	6.7%	5.9%	4.4%	3.3%	4.9%
2015	\$21.0	\$33.4	\$56.9	\$21.7	\$133.0	9.4%	7.7%	5.0%	4.3%	6.2%
2016	\$22.6	\$35.5	\$59.4	\$22.6	\$140.1	7.6%	6.3%	4.4%	4.1%	5.3%
2017 ^B	\$23.3	\$36.1	\$59.1	\$22.5	\$141.0	3.1%	1.7%	-0.5%	-0.4%	0.6%
2018 ^C	\$23.5	\$36.0	\$57.1	\$21.7	\$138.3	0.9%	-0.3%	-3.4%	-3.6%	-1.9%
2019 *	\$24.1	\$36.0	\$55.5	\$21.0	\$136.6	2.6%	0.0%	-2.8%	-3.2%	-1.2%
2020 ^{*,D}	\$22.1	\$32.7	\$50.1	\$18.4	\$123.3	-8.3%	-9.2%	-9.7%	-12.4%	-9.7%
2021 ^{*,E}		\$35.3	\$56.4	\$19.2	\$133.8	3.6%	8.0%	12.6%	4.3%	8.5%
2022*	\$27.9	\$43.0	\$68.9	\$23.2	\$163.0	21.8%	21.8%	22.2%	20.8%	21.8%
2023 ^{*,F}	\$29.2	\$45.5	\$73.3	\$24.8	\$172.8	4.7%	5.8%	6.4%	6.9%	6.0%

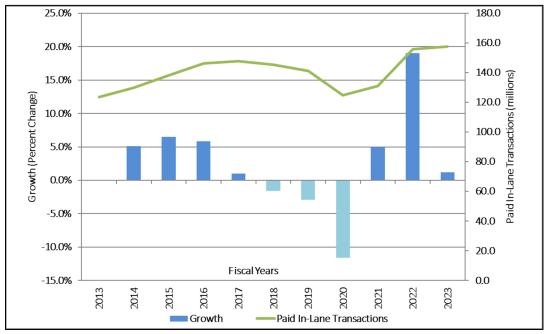
*Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes

- A Systemwide toll rate increase in July 2013.
- B Effects from Hurricane Matthew in October 2016.
- C Effects from Hurricane Irma in September 2017.
- D Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- E Continued effects of COVID-19 pandemic
- ${\sf F}$ Effects from Hurricane Ian in September and October 2022.

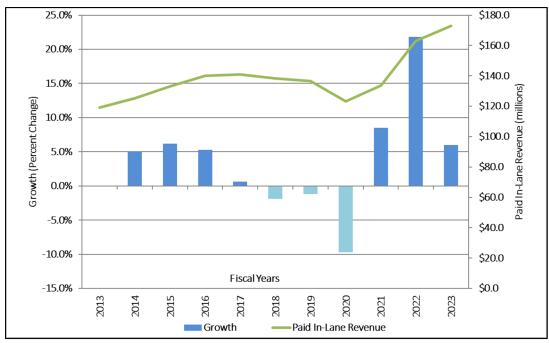
In FY 2020, all S.R. 408 plaza groups experienced a decline in paid in-lane transactions and revenues, despite the FY 2020 toll rate adjustment. The declines in both transactions and revenues can primarily be attributed to the negative impacts of the COVID-19 pandemic. Because the fiscal year begins in July, FY 2020 only included four months of the impacts of the COVID-19 pandemic. Thus, although April 2020 (FY 2020) contained the deepest impacts of the COVID-19 pandemic, additional impacts also occurred during the early months of FY 2021, which included a full year of travel reductions and the initial recovery. Out of the four plaza groups, the Dean Main plaza group was affected the most by COVID-19 impacts, due to its proximity to the University of Central Florida campus. It should also be noted that in FY 2020, September 2019 transactions and revenues were also negatively impacted by toll suspensions during Hurricane Dorian. Tolls were suspended on CFX toll facilities beginning on September 1, 2019 through September 5, 2019 resulting in a transaction loss of approximately 1.7 million and a toll revenue loss of \$1.7 million on S.R. 408.

Figure 4-2
S.R. 408 Historical Paid In-Lane Transactions and Annual Growth
FY 2013 – FY 2023



Source: Monthly unaudited data provided by CFX

Figure 4-3
S.R. 408 Historical Paid In-Lane Revenue and Annual Growth
FY 2013 – FY 2023



Source: Monthly unaudited data provided by CFX

All S.R. 408 plaza groups experienced an increase in paid in-lane transactions and revenues in FY 2021. Although FY 2021 included some recovery from the COVID-19 Pandemic, the increases in paid in-lane transactions and revenues on S.R. 408 can likely be attributed to the programmed widening on the eastern end of the expressway (and the end of construction activities there) as well as the FY 2021 toll rate adjustment. The largest increase was experienced at the Conway Main plaza group with an increase of 8.9 percent in transactions and 12.6 percent in revenues.

In FY 2022, all S.R. 408 plaza groups experienced a significant increase in paid in-lane transactions and revenues. The increases in both transactions and revenue reflects the recovery from the negative impacts of the COVID-19 pandemic. The FY 2022 toll rate adjustment was another factor in the increase in revenue.

In FY 2023, S.R. 408 total paid in-lane transactions increased by 1.2 percent and paid in-lane revenues increased by 6.0 percent compared to FY 2022. Despite the increase over FY 2022, September and October 2022 transactions and revenues were negatively impacted by toll suspensions during Hurricane Ian. Tolls were suspended on CFX toll facilities beginning on September 27, 2022 at 5:00 PM through 6:00 AM on October 15, 2022 (over 17 days) resulting in a transaction loss of nearly 9.0 million and a toll revenue loss of \$10.9 million on S.R. 408.

The share by plaza group of total S.R. 408 paid in-lane transactions and toll revenues during FY 2023 are presented in **Figure 4-4**. The largest portion of the transactions during FY 2023 were reported at the Conway Main plaza group, with 60.8 million or 38.6 percent. The Pine Hills Main, Hiawassee Main, and Dean Main plaza groups reported 37.6, 32.4 and 26.8 million transactions respectfully and each contributed between 17.0 and 23.9 percent of the total transactions for FY 2023.

The annual totals and shares of paid in-lane toll revenues are similar to the results reported for annual paid in-lane transactions. As shown, the Conway Main plaza group represented \$73.3 million in toll revenues or 42.4 percent of the total. The Pine Hills Main plaza group represented \$45.5 million or 26.3 percent of the total revenues on the facility. The Hiawassee Main plaza group represented \$29.2 million, or 16.9 percent and the Dean Main plaza group represented \$24.8 million or 14.4 percent of the total. Toll rates are higher and there are more supporting ramp locations with higher toll rates in the Pine Hills and Conway plaza groups. Therefore, those plaza groups have a higher proportion of facility revenues than transactions.

Transactions Toll Revenues 17.0% 20.5% 14.4% 16.9% \$24.8M 26.8M 32.4M \$29.2M 23.9% 26.3% 37.6M \$45.5M 38.6% 42.4% 60.8M \$73.3M Pine Hills Conway Hiawassee

Figure 4-4
S.R. 408 Paid In-Lane Transactions and Revenue by Plaza Group
FY 2023

Source: Monthly unaudited data provided by CFX

4.2.2 ANNUAL PBP TRANSACTION AND REVENUE TRENDS

A history of annual PBP transactions and toll revenues on S.R. 408 from FY 2013 to FY 2023 is presented in **Table 4-3**. PBP transactions and toll revenues are recorded by toll location and accrued monthly by plaza group, however Table 4-3 shows the annual totals for S.R. 408 as reported at year end.

Table 4-3
S.R. 408 – Historical PBP Transactions and Revenue
FY 2013 – FY 2023

Fiscal Year	Transactions (millions)	Percent Change	Toll Revenues (millions)	Percent Change
2013	2.2	-	\$3.5	-
2014	2.7	22.7%	\$4.2	20.0%
2015	3.4	25.9%	\$5.3	26.2%
2016	4.5	32.4%	\$6.9	30.2%
2017	5.1	13.3%	\$9.2	33.3%
2018	8.9	74.5%	\$9.8	6.5%
2019	16.2	82.0%	\$17.7	80.6%
2020	17.6	8.6%	\$19.3	9.0%
2021	19.4	10.2%	\$37.2	92.7%
2022	21.8	12.4%	\$42.7	14.8%
2023	21.8	0.0%	\$45.0	5.4%

Source: Monthly unaudited data provided by CFX

PBP transactions have increased from 2.2 million in FY 2013 to 21.8 million in FY 2023, while PBP revenues have increased from \$3.5 million to \$45.0 million over the same period. This increase may have been supported, in part, by the switch of SunPass® processing to CCSS in FY 2019, as previously noted. In FY 2023, PBP transactions showed no growth and PBP revenues increased 5.4 percent over FY 2022. During the early part of COVID-19 pandemic, cash toll collection was suspended for several months. For this reason, PBP transactions and revenue increased year-over-year in FY 2020 and in FY 2021. The significant increase in PBP revenues in FY 2021 can also be attributed to the new PBP toll rate adopted by the CFX Board that went into effect on July 1, 2020 (FY 2021). At that time, the PBP toll rate at all toll locations was increased to twice the ETC toll rate, reflecting the cost to collect PBP tolls. Because of the new PBP toll rate, it was anticipated that going forward a portion of customers paying via PBP will switch to ETC to avoid the higher toll rate. No growth in FY 2023 PBP transactions could be the beginning of this trend, but it is difficult to determine due to the negative impacts of Hurricane Ian.

4.2.3 MONTHLY PAID IN-LANE TRANSACTION SEASONAL VARIATION

In **Table 4-4**, monthly paid in-lane transactions are normalized to the average number of paid inlane transactions per day. Considering the average number of transactions per day allows for an easy comparison of the variations in relative travel demand over the year. The seasonal pattern of usage changes slightly from year to year, based on the number of weekdays in each month. Due to the toll suspensions during Hurricane Ian, September average daily transactions were adjusted to only include 27 days of toll collection during the month and October was adjusted to only 17 days of toll collection to normalize the data.

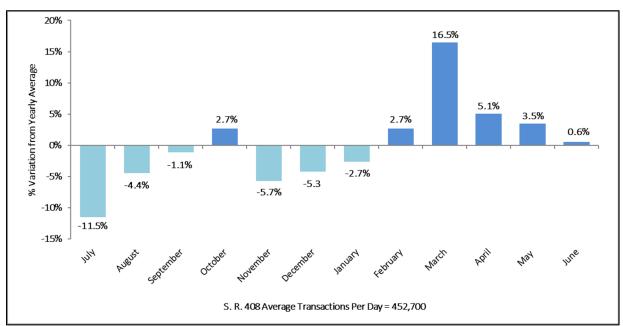
The average number of transactions per day in FY 2023 on S.R. 408 ranged from a low of 400,500 in July 2022 to a high of 527,400 in March 2023. March is typically the month with the highest average number of transactions per day due to the large number of tourists and seasonal residents in the area during the spring, but this fiscal year the March numbers were significantly higher than normal. These data are presented in a graphical format in **Figure 4-5**. The paid in-lane transactions for each month appear as a percentage of the average for the fiscal year. As shown in the figure, July transactions were 11.5 percent below average and March transactions were 16.5 percent above average for the facility.

Table 4-4
S.R. 408 – Monthly Seasonal Variation in Paid In-Lane Transactions
FY 2023

Month	Number of Days in Month	Paid In-Lane Transactions	Average Transactions/Day	Seasonal Factor
July	31	12,415,323	400,500	0.885
August	31	13,414,886	432,700	0.956
September	27	12,087,462	447,700	0.989
October	17	7,903,815	464,900	1.027
November	30	12,803,706	426,800	0.943
December	31	13,439,514	433,500	0.958
January	31	13,662,213	440,700	0.973
February	28	13,020,914	465,000	1.027
March	31	16,350,916	527,400	1.165
April	30	14,269,891	475,700	1.051
May	31	14,525,762	468,600	1.035
June	30	13,657,627	455,300	1.006
Average		13,129,336	452,700	1.000
Total Year	348	157,552,029		

Source: Monthly unaudited data provided by CFX

Figure 4-5
S.R. 408 Variation in Paid In-Lane Transactions per Day, by Month
FY 2023



Source: Monthly unaudited data provided by CFX

4.2.4 PAID IN-LANE TRANSACTIONS BY VEHICLE CLASS

The distribution of mainline paid in-lane transactions at each of the S.R. 408 mainline plazas by vehicle class (number of axles) for FY 2023 is shown in **Table 4-5**. Overall, 96.8 percent of mainline transactions on S.R. 408 were made by 2-axle vehicles, with minor variation among the plaza groups. The next most frequent vehicle class was the 3-axle, which accounted for 1.3 percent of mainline transactions on the facility. Five or more axles accounted for 1.0 percent. Four-axle vehicles represented the smallest category with only 0.9 percent of mainline transactions. S.R. 408 is the most commuter-oriented facility in the system with approximately 97% two-axle vehicles.

Table 4-5
S.R. 408 Percent of Paid In-Lane Transactions by Vehicle Class
FY 2023

Vehicle Class	Hiawassee Main	Pine Hills Main	Conway Main	Dean Main	S.R. 408 Total
2-Axle	95.5%	96.1%	97.5%	98.0%	96.8%
3-Axle	1.7%	1.5%	1.1%	0.9%	1.3%
4-Axle	1.3%	1.1%	0.7%	0.6%	0.9%
5 or More Axles	1.5%	1.3%	0.7%	0.5%	1.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Unaudited lane transaction data - May 2023

4.2.5 DAY-OF-WEEK TRANSACTION VARIATION

Figure 4-6 contains a comparison of transactions by day of week in FY 2023. These data are presented as an index, where the average day equals 100. An index value of 100 for a given day of the week would indicate that day's transactions were precisely the same volume as the facility average. A value of 120 indicates a day that has a 20 percent greater volume than the average. As was done in prior years, the data used for this analysis were for a typical week in May 2023. The data include transactions at mainline plazas only (no ramps).

During FY 2023, transactions on S.R. 408 fluctuated over the course of the five-day work week. Transactions were highest on Fridays, with an index value of 111.6 (11.6 percent higher than the average day), volumes on Monday through Thursday ranged from index values of 102.9 to 110.2. This is consistent with prior year trends. Transactions decline significantly on Saturdays and Sundays, which have index values of 88.3 and 72.3, or 11.7 and 27.7 percent lower than the average day, also consistent with prior results.

120 100 80 60 111.6 109.4 110.2 105.3 102.9 88.3 40 72.3 20 0 Monday Wednesday Friday Tuesday Thursday Saturday Sunday

Figure 4-6
S.R. 408 Variation in Transactions, by Day of Week
FY 2023

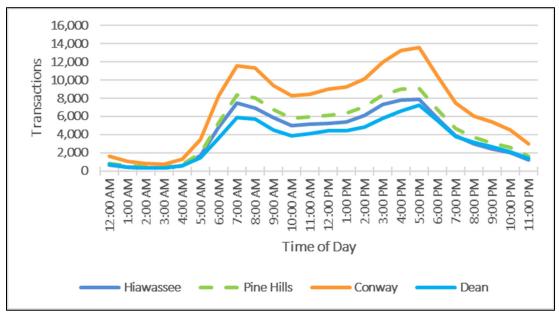
Source: Unaudited lane transaction data – May 2022

4.2.6 HOURLY TRAFFIC DISTRIBUTION

The hourly distribution of traffic volumes includes information on the usage characteristics of travel on the facility. The hourly distributions represent counts taken during a typical week at the mainline toll plazas in the month of May. The typical weekday hourly distribution is shown in **Figure 4-7** and the hourly distribution on weekend days is shown in **Figure 4-8**. The figures contain the sum of traffic volumes in both directions.

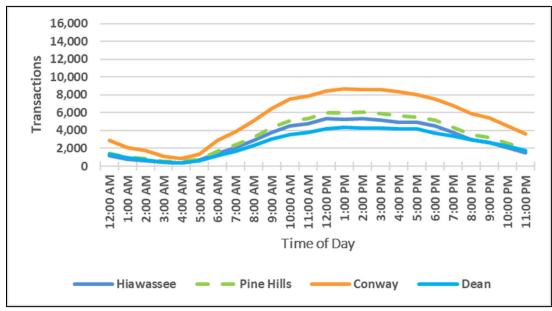
The four mainline locations on S.R. 408 exhibit similar hourly traffic patterns. On weekdays, travel demand at all four locations is bimodal, with both morning and evening peak hours. Traffic volumes in the evening peak hours at all four mainline plazas are higher than in the morning peak hours. The highest peak hour volumes during the week were 13,600 per hour at the Conway mainline plaza, 9,100 per hour at the Pine Hills mainline plaza, 7,800 per hour at the Hiawassee mainline plaza and 7,300 per hour at the Dean mainline plaza. These volumes all occurred during the 5:00 p.m. hour. On weekends, the distributions are unimodal with no clear morning or evening peak periods, indicating that many customers use the facility for non-work trip purposes. On weekends, traffic builds up during the day and peaks in the early afternoon.

Figure 4-7 S.R. 408 Hourly Two-Way Traffic Variation (Weekday) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

Figure 4-8 S.R. 408 Hourly Two-Way Traffic Variation (Weekend) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

4.2.7 TRANSACTIONS AND REVENUE BY PAYMENT METHOD

The percentage and distributions of transactions and revenue by payment method for the overall year and by month during FY 2023 are presented in **Figure 4-9**, **Figure 4-10**, and **Figure 4-11**. Customers pay tolls in one of three ways: cash, ETC, and PBP. As defined in Chapter 1 of this report, paid in-lane transactions and revenue include cash and ETC payments made when a customer travels through a CFX toll location. The remaining transactions and revenue are classified as unpaid in-lane, which includes PBP and a small portion of non-revenue transactions. PBP transactions and revenues are estimated monthly based on a FY 2023 accrual rate of 50 percent of all unpaid inlane transactions. This means that the PBP transactions and revenue shown here are estimates of the levels that will eventually pay tolls through the PBP process.

As shown in Figure 4-9, overall, ETC accounted for 86.0 percent of total transactions on the facility. PBP accounted for 12.2 percent of total transactions on the facility. Cash accounted for 1.8 percent of total transactions on the facility. The share of toll revenues by payment method is comparable to the share of transactions, recognizing the differences in the toll paid by payment method. Overall, ETC accounted for 77.4 percent of total revenue on the facility. PBP accounted for 20.6 percent of total revenue on the facility. Cash accounted for 2.0 percent of total revenue on the facility.

Transactions

1.8%

2.0%

12.2%

86.0%

77.4%

ETC PBP Cash

Source: Monthly unaudited transaction data provided by CFX

Figure 4-9
S.R. 408 Percent Transactions and Revenue by Payment Method
FY 2023

As shown in Figure 4-10, ETC transactions on S.R. 408 ranged from a low of 7.7 million in October 2022 (due to toll suspensions during Hurricane Ian) to a high of 16.1 million in March 2023. The PBP transactions ranged from a low of 1.0 million to a high of 2.1 million. Cash transactions ranged from a low of approximately 0.2 million to a high of 0.4 million.

As shown in Figure 4-11, ETC revenue on S.R. 408 ranged from a low of \$8.6 million in October 2022 to a high of \$17.7 million in March 2023. The PBP revenue ranged from a low of \$2.0 million to a high of \$4.3 million. Cash revenue ranged from a low of \$0.2 million to a high of nearly \$0.5 million.

The differences in revenue performance by payment method is explained by differences in the toll rates. ETC customers pay the preferred toll rate; cash customers pay at least 10 percent higher rate than ETC rate; and PBP customers pay twice the ETC rate.

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Figure 4-10
S.R. 408 Monthly Transactions by Payment Method
FY 2023

Source: Monthly unaudited transaction data provided by CFX

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\$515.0

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Figure 4-11 S.R. 408 Monthly Revenue by Payment Method FY 2023

Source: Monthly unaudited toll revenue data provided by CFX

4.3 Forecasted Transactions and Toll Revenues

The forecasts of T&R are based on several assumptions about the future, including assumptions about future toll rates. Based on the CFX "Customer First Toll Policy," toll rate adjustments (indexed tolls) were applied to the T&R forecasts every year based on the net change in CPI for the prior year with a floor of 1.5 percent. At the time of preparing the T&R estimates and this report, CDM Smith learned that the net change in CPI during CY 2023 was 4.497 percent. Based on assurances from CFX, CDM Smith used this value to index toll rates for FY 2025. CDM Smith used the floor of 1.5 percent per year every year thereafter in the forecast period.

Future transportation improvements that influence the T&R forecasts for S.R. 408 include the projects listed in **Table 4-6**, assumed completed in each model horizon year. System improvements, such as the completed S.R. 408 widening projects from S.R. 417 to Alafaya Trail on the east and from Hiawassee Road to Clarke Road on the west help growth rates in the near term as these were areas of congestion, and feeder road improvements including Goldenrod Road and Challenger Parkway help growth rates in the long term.

Table 4-6 S.R. 408 - Key Transportation Improvements

Facility	From	То	Year	Jurisdiction	Improvement
Interstate 4	SR 434	Kirkman Road	2025	FDOT	Widen to 10-lanes
SR 408	SR 417	Alafaya Trail	2025	CFX	Widen to 6-lanes
SR 408	Hiawassee Road	Clark Road	2025	CFX	Widen to 6-lanes
SR 423 (John Young Parkway)	SR 50 (Colonial Drive)	Shader Road	2025	Orange County/FDOT	Widen to 6-lanes
Florida's Turnpike	Minneola	Orange/Lake Co. Line	2025	FDOT	Widen to 8-lanes
Florida's Turnpike	Orange/Lake Co. Line	US 27	2025	FDOT	Widen to 8-lanes
SR 50	East of SR 417	Avalon Park Boulevard	2025	FDOT	Widen to 6-lanes
SR 50	SR 429	East of West Oaks Mall	2025	FDOT	Widen to 6-lanes
Curry Ford Road	SR 417	Alafaya Trail	2035	Orange County	Widen to 6-lanes
SR 50	East of Avalon Park Boulevard	SR 520	2035	FDOT	Widen to 6-lanes
Lake Underhill Road	Goldenrod Road	Chickasaw Trail	2035	Orange County	Widen to 4-lanes
Lake Underhill Road	Chickasaw Trail	Econlockhatchee Trail	2045	Orange County	Widen to 4-lanes
Econlockhatchee Trail	Lake Underhill Road	Curry Ford Road	2035	Orange County	Widen to 4-lanes
SR 408 East Extension	Challenger Parkway	SR 50	2045	CFX	New 4-lane expressway
SR 551/Goldenrod Road	Curry Ford Road	University Boulevard	2045	FDOT	Widen to 6-lanes
US 27	Florida Turnpike Ramps- N	South of SR 19	2045	FDOT	Widen to 6-lanes
Challenger Parkway	SR 50	Woodbury Road	2035	Orange County	Widen to 6-lanes

Historical and projected transactions and toll revenues for each of the S.R. 408 plaza groups and for all of S.R. 408 are shown in Tables **4-7** and **4-8**. The tables are divided into paid in-lane and PBP transactions and revenue. The paid in-Lane transactions and revenue include ETC and cash collection. PBP is only reported as a total on the facility.

The forecasts are based on the completion of the Interstate 4 Ultimate, especially the completion of the I-4/S.R. 408 interchange improvements. While these improvements provide congestion relief on I-4, there are positive impacts to the S.R. 408 T&R forecasts. The growth rates for the remainder of the forecast period are also moderate but steady. The paid in-lane transactions on S.R. 408 are expected to grow by 1.6 percent per year through FY 2033 and then lower rates through the end of the forecast period because of the impact of continued toll rate adjustments. PBP transactions are forecasted to remain steady through 2033 and then increase at a slow pace through the remainder of the forecast period. Total transactions are expected to grow by 1.4 percent per year through FY 2033, 0.6 percent per year from FY 2033 to FY 2043, and 0.3 percent per year from FY 2043 to FY 2053. The paid in-lane revenues on S.R. 408 are projected to increase significantly over the forecast period, from the FY 2023 actual of \$172.8 million to \$322.4 million in FY 2053. PBP revenues are projected to increase from \$45.0 million in FY 2023 to \$67.9 million in FY 2053. Total revenues are expected to grow from \$217.8 million in FY 2023 to \$390.3 million in FY 2053. S.R. 408 total revenues are forecasted to increase an average of 2.9 percent per year through FY 2033, 1.7 percent per year from FY 2033 to FY 2043, and 1.3 percent per year from FY 2043 to FY 2053.

Table 4-7
S.R. 408 Plaza Groups – Transaction Projections (Millions)
FY 2024 – FY 2053

2013 ^A 2014 2015 2016 2017 ^B	22.5 24.1 26.4 28.6 29.6	27.6 29.2 31.6 33.7	48.9 51.1 53.9	24.5 25.3	123.5	2.2	125.7	
2015 2016	26.4 28.6 29.6	31.6		25.2		۷.۷	125.7	-
2016	28.6 29.6		520		129.7	2.7	132.4	5.3%
	29.6	33.7		26.3	138.2	3.4	141.6	6.9%
20478			56.4	27.5	146.2	4.5	150.7	6.4%
2017 2	20.0	34.2	56.4	27.5	147.7	5.1	152.8	1.4%
2018 ^c Lud	29.8	34.2	54.6	26.6	145.2	8.9	154.1	0.9%
2019	29.8	33.6	52.4	25.3	141.1	16.2	157.3	2.1%
2020 ^{*E}	26.6	30.1	46.2	21.8	124.7	17.6	142.3	-9.5%
2021 ^{*F}	27.1	31.4	50.3	22.1	130.9	19.4	150.3	5.6%
2022 ^{*G}	32.4	37.3	59.9	26.2	155.8	21.8	177.6	18.2%
2023*H	32.4	37.6	60.8	26.8	157.6	21.8	179.4	1.0%
2024	34.6	40.9	66.7	29.1	171.3	20.2	191.5	6.7%
2025	34.9	41.2	66.7	29.5	172.3	20.4	192.7	0.6%
2026	35.3	41.7	67.0	29.6	173.6	20.4	194.0	0.7%
2027	35.8	42.2	67.5	29.9	175.4	20.7	196.1	1.1%
2028	36.3	42.8	68.0	30.1	177.2	20.8	198.0	1.0%
2029	36.8	43.4	68.5	30.3	179.0	20.9	199.9	1.0%
2030	37.3	43.9	69.0	30.6	180.8	21.2	202.0	1.1%
2031	37.8	44.4	69.5	30.8	182.5	21.3	203.8	0.9%
2032	38.2	44.8	69.9	31.1	184.0	21.4	205.4	0.8%
2033	38.6 39.0	45.3 45.7	70.4 70.9	31.3 31.6	185.6 187.2	21.5 21.6	207.1 208.8	0.8%
2035	39.4	46.1	70.9	31.9	188.7	21.8	210.5	0.8%
2036	39.4	46.5	71.3	32.2	190.1	21.8	210.5	0.8%
2027	40.1	46.8	72.1	32.4	191.4	22.0	211.5	0.7%
2038	40.4	47.1	72.5	32.7	192.7	22.0	214.7	0.6%
2037	40.8	47.5	72.8	33.0	194.1	22.1	216.2	0.7%
2040	41.1	47.8	73.2	33.2	195.3	22.1	217.4	0.6%
2041	41.4	48.1	73.5	33.5	196.5	22.3	218.8	0.6%
2042	41.7	48.3	73.8	33.7	197.5	22.3	219.8	0.5%
2043	42.0	48.6	74.0	34.0	198.6	22.3	220.9	0.5%
2044	42.3	48.8	74.3	34.2	199.6	22.5	222.1	0.5%
2045	42.6	49.0	74.5	34.4	200.5	22.6	223.1	0.5%
2046	42.8	49.2	74.7	34.6	201.3	22.6	223.9	0.4%
2047	43.1	49.4	74.9	34.9	202.3	22.6	224.9	0.4%
2048	43.4	49.5	75.1	35.1	203.1	22.5	225.6	0.3%
2049	43.6 43.8	49.6 49.7	75.2	35.3 35.5	203.7	22.6	226.3	0.3%
2050 2051	43.8 44.0	49.7 49.8	75.3 75.4	35.5 35.7	204.3 204.9	22.6 22.6	226.9 227.5	0.3% 0.3%
2051	44.0	49.8	75.4 75.5	35.7 35.9	204.9	22.6	227.5	0.3%
2052	44.2	50.0	75.5 75.5	36.0	205.5	22.7	228.5	0.5%

Fiscal Year		Compound Annual Average Growth Rate (CAAGR)					
2013 - 2023	3.7%	3.1%	2.2%	0.9%	2.5%	25.8%	3.6%
2023 - 2033	1.8%	1.9%	1.5%	1.6%	1.6%	-0.1%	1.4%
2033 - 2043	0.8%	0.7%	0.5%	0.8%	0.7%	0.4%	0.6%
2043 - 2053	0.6%	0.3%	0.2%	0.6%	0.4%	0.1%	0.3%

*Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

Actual transaction data provided by CFX from Monthly Statistical Reports.

- A Systemwide toll rate increase.
- $\mbox{\ensuremath{B}}$ Effects from Hurricane Matthew in October 2016.
- C Effects from Hurricane Irma in September 2017.
- D First year of implementation of "Customer First" toll rate policy.
- $E-Effects\ from\ Hurricane\ Dorian\ in\ September\ 2019\ and\ first\ effects\ of\ COVID-19\ pandemic\ began\ in\ March\ 2020.$
- ${\tt F-New\ toll\ rates\ for\ PBP\ customers,\ set\ at\ 2.0\ times\ the\ ETC\ rate.\ Continued\ effects\ of\ COVID-19\ pandemic.}$
- G Completion of I-4 Ultimate project.
- H Effects from Hurricane Ian in September 2022.

Table 4-8 S.R. 408 Plaza Groups – Toll Revenue Projections (Millions) FY 2024 - FY 2053

Fiscal Year		Hiawassee Main	Pine Hills Main	Conway Main	Dean Main	Paid In- Lane	PBP	Total	Percent Change
2013 ^A		\$18.0	\$29.3	\$51.9	\$20.1	\$119.3	\$3.5	\$122.8	-
2014		\$19.2	\$31.0	\$54.2	\$20.8	\$125.2	\$4.2	\$129.4	5.4%
2015		\$21.0	\$33.4	\$56.9	\$21.7	\$133.0	\$5.3	\$138.3	6.9%
2016	L	\$22.6	\$35.5	\$59.4	\$22.6	\$140.1	\$6.9	\$147.0	6.3%
2017 ^B	_	\$23.3	\$36.1	\$59.1	\$22.5	\$141.0	\$9.2	\$150.2	2.2%
2018 ^c	Actual	\$23.5	\$36.0	\$57.1	\$21.7	\$138.3	\$9.8	\$148.1	-1.4%
2019*D	₹	\$24.1	\$36.0	\$55.5	\$21.0	\$136.6	\$17.7	\$154.3	4.2%
2020 ^{*E}		\$22.1	\$32.7	\$50.1	\$18.4	\$123.3	\$19.3	\$142.6	-7.6%
2021*F		\$22.9	\$35.3	\$56.4	\$19.2	\$133.8	\$37.2	\$171.0	19.9%
2022 ^{*G}	I	\$27.9	\$43.0	\$68.9	\$23.2	\$163.0	\$42.7	\$205.7	20.3%
2023*H		\$29.2	\$45.5	\$73.3	\$24.8	\$172.8	\$45.0	\$217.8	5.9%
2024	T	\$31.3	\$50.0	\$81.2	\$27.2	\$189.7	\$42.7	\$232.4	6.7%
2025		\$32.9	\$52.8	\$85.1	\$28.7	\$199.5	\$45.1	\$244.6	5.2%
2026		\$33.8	\$54.1	\$86.7	\$29.3	\$203.9	\$46.1	\$250.0	2.2%
2027		\$34.7	\$55.5	\$88.4	\$29.8	\$208.4	\$47.1	\$255.5	2.2%
2028	L	\$35.6	\$57.0	\$90.2	\$30.5	\$213.3	\$48.1	\$261.4	2.3%
2029		\$36.5	\$58.4	\$92.1	\$31.1	\$218.1	\$49.0	\$267.1	2.2%
2030		\$37.5	\$59.9	\$93.9	\$31.7	\$223.0	\$49.9	\$272.9	2.2%
2031		\$38.4	\$61.3	\$95.7	\$32.4	\$227.8	\$50.9	\$278.7	2.1%
2032		\$39.3	\$62.7	\$97.6	\$33.1	\$232.7	\$51.9	\$284.6	2.1%
2033	ŀ	\$40.1	\$64.1	\$99.4	\$33.8	\$237.4	\$52.8	\$290.2	2.0%
2034		\$41.0	\$65.5	\$101.2	\$34.5	\$242.2	\$53.7	\$295.9	2.0%
2035		\$41.9	\$66.8	\$103.1	\$35.2	\$247.0	\$54.6	\$301.6	1.9%
2036		\$42.7	\$68.2	\$104.9	\$35.9	\$251.7	\$55.4	\$307.1	1.8%
2037 2038	ast	\$43.6 \$44.5	\$69.5 \$70.8	\$106.7 \$108.5	\$36.6 \$37.4	\$256.4 \$261.2	\$56.4 \$57.2	\$312.8 \$318.4	1.9% 1.8%
2039	Forecast	\$45.3	\$70.8	\$108.3	\$37.4	\$261.2	\$57.2	\$323.8	1.7%
2040	요	\$46.2	\$73.3	\$110.2	\$38.8	\$270.2	\$59.0	\$329.2	1.7%
2041		\$47.0	\$74.5	\$113.5	\$39.5	\$274.5	\$59.7	\$334.2	1.5%
2042		, \$47.9	\$75.7	\$115.1	\$40.2	\$278.9	\$60.5	\$339.4	1.6%
2043		\$48.7	\$76.8	\$116.8	\$40.9	\$283.2	\$61.4	\$344.6	1.5%
2044		\$49.6	\$78.0	\$118.3	\$41.6	\$287.5	\$62.0	\$349.5	1.4%
2045		\$50.4	\$79.1	\$119.9	\$42.3	\$291.7	\$62.8	\$354.5	1.4%
2046		\$51.2	\$80.2	\$121.4	\$43.0	\$295.8	\$63.5	\$359.3	1.4%
2047		\$52.1	\$81.2	\$122.9	\$43.7	\$299.9	\$64.2	\$364.1	1.3%
2048	L	\$52.9	\$82.3	\$124.4	\$44.3	\$303.9	\$64.9	\$368.8	1.3%
2049		\$53.7	\$83.3	\$125.8	\$45.0	\$307.8	\$65.5	\$373.3	1.2%
2050		\$54.5	\$84.3	\$127.2	\$45.7	\$311.7	\$66.1	\$377.8	1.2%
2051		\$55.2	\$85.2	\$128.5	\$46.4	\$315.3	\$66.8	\$382.1	1.1%
2052		\$56.0	\$86.1	\$129.7	\$47.0	\$318.8	\$67.3	\$386.1	1.0%
2053		\$56.7	\$87.0	\$131.0	\$47.7	\$322.4	\$67.9	\$390.3	1.1%

Fiscal Year		Compound Annual Average Growth Rate (CAAGR)					
2013 - 2023	5.0%	4.5%	3.5%	2.1%	3.8%	29.1%	5.9%
2023 - 2033	3.2%	3.5%	3.1%	3.1%	3.2%	1.6%	2.9%
2033 - 2043	2.0%	1.8%	1.6%	1.9%	1.8%	1.5%	1.7%
2043 - 2053	1.5%	1.3%	1.2%	1.5%	1.3%	1.0%	1.3%

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Actual revenue data provided by CFX from Monthly Statistical Reports. A - Systemwide toll rate increase.

- B Effects from Hurricane Matthew in October 2016.
- C Effects from Hurricane Irma in September 2017. D - First year of implementation of "Customer First" toll rate policy.
- E Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- ${\it F-New\ toll\ rates\ for\ PBP\ customers, set\ at\ 2.0\ times\ the\ ETC\ rate.\ Continued\ effects\ of\ COVID-19\ pandemic.}$
- G Completion of I-4 Ultimate project.
- H Effects from Hurricane Ian in September 2022.

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S.R. 417 Central Florida Greeneway

S.R. 417 (CENTRAL FLORIDA GREENEWAY)

5.1 Facility Description

S. R. 417, also known as the Central Florida GreeneWay, is a 55-mile expressway that serves as an eastern and southern beltway around Orlando, providing a connection between the residential

areas, northeast, east and southeast of Orlando in Orange, Seminole and Osceola Counties to S.R. 408 and downtown Orlando. It also significantly enhances access to the Orlando International Airport (OIA) as an alternative to S.R. 528 and S.R. 436. CFX owns and operates the largest portion of S.R. 417 (32 miles) extending east and north from International Drive to the Orange-Seminole County line. FTE extended S.R. 417 north and west from the Orange-Seminole County line to Interstate 4 (I-4). FTE also extended S.R. 417 in a westerly direction from International Drive to provide a connection to I-4 in the vicinity of the attractions. A map of CFX's portion of S.R. 417 including the FY 2023 CFX toll rates for the mainline and ramp toll plazas is shown in **Figure 5-1**.



The first section of S.R. 417 constructed by CFX was from S.R. 408 to the Orange-Seminole County line including the University Mainline plaza. This section opened to traffic in December 1988 and toll collection began at the plaza in January 1989. The University Main plaza group included interchanges at S.R. 408, Valencia College Lane, S.R. 50, and University Boulevard. The next section extended from S.R. 408 to S.R. 528, was completed in June 1990 and toll collection began in July 1990. The interchanges associated with the Curry Ford Main plaza group are S.R. 528, Lee Vista Boulevard and Curry Ford Road. The final section of S.R. 417 includes the Boggy Creek and John Young Mainline plaza groups, extending from International Drive to S.R. 528. This section opened to traffic with toll collection in July 1993. The Boggy Creek Main plaza group includes interchanges at Boggy Creek Road, Lake Nona Boulevard, Narcoossee Road, Moss Park Road and Innovation Way. The John Young Main plaza group includes interchanges at John Young Parkway, U.S. 441/Orange Blossom Trail, and Landstar Boulevard. FTE opened the section of the limited-access expressway between International Drive and I-4 in June 1996 and the S.R. 417 connection to U.S. 17-92 in Seminole County in 1994 and from U.S. 17-92 to I-4 in Seminole County in September 2002.

In July 2003, the University Mainline toll plaza was the first plaza in Florida to be converted from conventional toll lanes to Open Road Tolling (ORT) lanes. CFX chose this plaza for the first conversion due to its heavy traffic and extensive ETC usage. Conversions followed at the Curry Ford Mainline plaza in July 2005 and the Boggy Creek and John Young Mainline plazas in March 2007.

Seminole Co. Orange Co. University \$0.62 \$0.75 \$1.24 Blvd. University Main \$0.62 \$0.75 \$1.24 <u>LEGEND</u> E-PASS Toll Rate \$0.00 (2-axle) 408 Cash Toll Rate \$0.00 (2-axle) PBP Toll Rate \$0.00 (2-axle) Ramp Toll Location Curry Ford Rd. \$0.62 \$0.75 \$1.24 Barrier Toll Location \$1.25 \$1.84 Lee Vista \$0.62 \$0.75 \$1.24 528 Innovation \$0.62 \$0.75 \$1.24 Way \$0.62 \$0.75 \$1.24 \$1.54 Lake Nona S. John S. Orange \$1.75 Young \$1.54 South Access Pkwy. Landstar Rd/Airport \$3.08 Blvd. 417 \$1.75 Narcoossee Rd. Boggy Creek \$3.08 John Young \$0.92 Main \$0.92 \$1.25 Boggy Creek \$1.84 \$1.25 \$0.92 \$0.50 \$0.75 \$1.23 \$1.84 \$1.25 \$0.50 \$1.24 \$1.00

Figure 5-1 S.R. 417 Facilities and FY 2023 Toll Rates

The current configuration of S.R. 417 is a result of many facility improvements over the years, with the improvements in the last ten years summarized in **Table 5-1**.

Table 5-1 S.R. 417 Facility Improvements

Date Opened	Improvement Description
January 2012	Widening of mainline between S.R. 528 and Curry Ford Rd. from two to three lanes in each direction
January 2013	S.R. 408 and S.R. 417 Systems Interchange improvements and additional ramps to Valencia College Lane to/from north
January 2015	Partial S.R. 417 and Florida's Turnpike Systems Interchange
March 2015	Widening of mainline between Curry Ford Rd. and Lake Underhill Rd. from two to three lanes in each direction
February 2016	Boggy Creek Rd. interchange improvements and new direct ramps to Orlando International Airport
May 2016	Two additional ramps on S.R. 417 and Florida's Turnpike Systems Interchange
October 2017	Widen mainline between Berry Dease Rd. and S.R. 408 and reconstruction of several ramps
September 2018	Widening of mainline between Econlockhatchee Trail and Seminole County line from two to three lanes in each direction and additional lane through express toll lanes at University Main toll plaza
October 2020	S.R. 408 and S.R. 417 Systems Interchange improvements to three ramps: WB 408 to SB 417, NB 417 to WB 408, and EB 408 to SB 417
May 2021	Final three ramps on S.R. 417 and Florida's Turnpike Systems Interchange – full system to system interchange

In the Five-Year Work Plan, CFX has several improvement projects planned to add needed capacity along S.R. 417. Starting in FY 2020, CFX has initiated a significant widening program on S.R. 417 between S.R. 536/International Drive and S.R. 528. Approximately 21 miles of S.R. 417 will be widened from 4 to 6 lanes including a hardened shoulder for Part-Time Shoulder Use (PTSU) for a potential 8-lane section during peak hours. The S.R. 417 widening projects consist of five segments; the widening has been divided into contiguous parts to minimize the impact to motorists. Construction on all segments began in February 2021 and is scheduled to be completed by the spring of 2024.

5.2 Historical Transactions and Toll Revenues

As defined in Chapter 1, CFX transactions and toll revenues are classified as either paid in-lane (ETC and cash) or unpaid in-lane (PBP and non-revenue). Total transactions are the sum of the two. Total revenue is the sum of paid in-lane revenue and the revenue collected through the PBP process, estimated as an accrued amount. The following section includes a breakdown of transactions and revenues by paid in-lane and PBP.

5.2.1 ANNUAL PAID IN-LANE TRANSACTION AND REVENUE TRENDS

S.R. 417 annual paid in-lane transactions at the John Young Main, Boggy Creek Main, Curry Ford Main, and University Main plaza groups from FY 2013 to FY 2023 are presented in the top half of **Table 5-2**. The history of annual paid in-lane toll revenues is also summarized and totaled in the bottom half of the table. The facility data and annual growth are also presented visually in **Figure 5-2** and **Figure 5-3**. These historical tables do not include PBP transactions and revenues, only those that are paid in-lane. For this reason, the information presented in this section may differ slightly from the data presented in the FY 2023 Annual Comprehensive Financial Report (ACFR) and other information in this report.

In FY 2014, all plaza groups experienced growth in paid in-lane transactions and revenues. Overall, S.R. 417 paid in-lane transactions and revenues increased by 7.6 percent and 7.8 percent over FY 2013, respectively. FY 2015 and FY 2016 experienced double-digit growth in both transactions and revenues, representing a period of extraordinary recovery and growth following the Great Recession. This was fueled, in part, by the widening and interchange improvements completed at this time. In FY 2017, transactions and revenues increased by 8.4 percent and 8.8 percent, respectively, compared to FY 2016. The continued growth at the Boggy Creek Main, John Young Main and Curry Ford Main plaza groups can be attributed to the Medical City and Lake Nona developments along S.R. 417, as well as the opening of the partial interchange at Florida's Turnpike. Over the four-year period, paid in-lane transactions and revenue increased by more than 50 percent.

In October 2016 (FY 2017), Hurricane Matthew tracked parallel to the Florida coast as a Category 3 storm with winds up to 130 miles per hour. Tolls were suspended on the CFX System beginning at 8:00 p.m. on October 5, 2016 through early on October 10, 2016. The toll suspension resulted in a loss of approximately 1.5 million in transactions and \$1.5 million in toll revenues on S.R. 417.

In September 2017 (FY 2018), Hurricane Irma tracked parallel to the Florida coast as a Category 4 storm with winds up to 155 miles per hour. Tolls were suspended on CFX toll facilities beginning on September 5, 2017 through September 20, 2017 resulting in a transaction loss of approximately 6.4 million and a toll revenue loss of \$6.5 million on S.R. 417. Despite the severity of these storms, the negative transactions and revenue impacts were largely offset by the significant growth in the S.R. 417 corridor. In FY 2018, all plaza groups experienced growth, with total paid in-lane transactions and revenues increasing by 5.6 percent and 5.7 percent, respectively.

Table 5-2 S.R. 417 Plaza Groups – Historical Paid In-Lane Transactions and Revenue FY 2013 – FY 2023

Fiscal Year	John Young Main	Boggy Creek Main	Curry Ford Main		TOTAL	John Young Main	Boggy Creek Main		University Main	TOTAL
FISCAL TEAL	TRANSACTIONS (millions)					Main Main Main TOTAL PERCENT CHANGE				
2013 ^A	21.0	19.7	23.4	26.2	90.3		TERCE	TICHANGE		_
2013	22.6	21.9	25.4	27.5	97.2	7.6%	11.2%	7.7%	5.0%	7.6%
2015	25.7	25.3	28.3	30.0	109.3	13.7%	15.5%	12.3%	9.1%	12.4%
2016	30.6	31.0	32.5	33.3	127.4	19.1%	22.5%	14.8%	11.0%	16.6%
2017 ^B	34.8	34.6	34.2	34.5	138.1	13.7%	11.6%	5.2%	3.6%	8.4%
2017	37.2	38.1	35.8	34.8	145.9	6.9%	10.1%	4.7%	0.9%	5.6%
2019*	36.9	39.3	35.4	33.9	145.5	-0.8%	3.1%	-1.1%	-2.6%	-0.3%
2020*,D	30.7	34.2	31.8	29.2	125.9	-16.8%	-13.0%	-10.2%	-13.9%	-13.5%
2021*,E	29.1	34.0	30.6	28.7	122.4	-5.2%	-0.6%	-3.8%	-1.7%	-2.8%
2022*	36.2	40.9	36.2	33.4	146.7	24.4%	20.3%	18.3%	16.4%	19.9%
2023*,F	38.3	41.2	36.1	32.6	148.2	5.8%	0.7%	-0.3%	-2.4%	1.0%
			NUE (millio	ns)		PERCENT CHANGE				
2013 ^A	\$25.3	\$24.3	\$19.8	\$21.8	\$91.2	-	-	-	-	_
2014	\$27.2	\$26.9	\$21.3	\$22.9	\$98.3	7.7%	10.7%	7.5%	5.0%	7.8%
2015	\$30.6	\$30.8	\$24.0	\$25.0	\$110.4	12.5%	14.5%	12.7%	9.2%	12.3%
2016	\$35.9	\$37.7	\$27.6	\$27.8	\$129.0	17.3%	22.4%	15.0%	11.2%	16.8%
2017 ^B	\$40.4	\$42.0	\$29.1	\$28.9	\$140.4	12.5%	11.4%	5.4%	4.0%	8.8%
2018 ^c	\$43.0	\$45.7	\$30.5	\$29.2	\$148.4	6.4%	8.8%	4.8%	1.0%	5.7%
2019*	\$44.3	\$48.6	\$30.7	\$29.0	\$152.6	3.0%	6.3%	0.7%	-0.7%	2.8%
2020 ^{*,D}	\$37.1	\$42.6	\$28.6	\$25.6	\$133.9	-16.3%	-12.3%	-6.8%	-11.7%	-12.3%
2021 ^{*,E}	\$34.9	\$42.5	\$27.9	\$25.9	\$131.2	-5.9%	-0.2%	-2.4%	1.2%	-2.0%
2022*	\$45.4	\$52.4	\$33.4	\$30.4	\$161.6	30.1%	23.3%	19.7%	17.4%	23.2%
2023 ^{*,F}	\$50.5	\$55.3	\$34.7	\$31.0	\$171.5	11.2%	5.5%	3.9%	2.0%	6.1%

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes

A - Systemwide toll rate increase in July 2013. Implementation of cash and electronic toll rate differential.

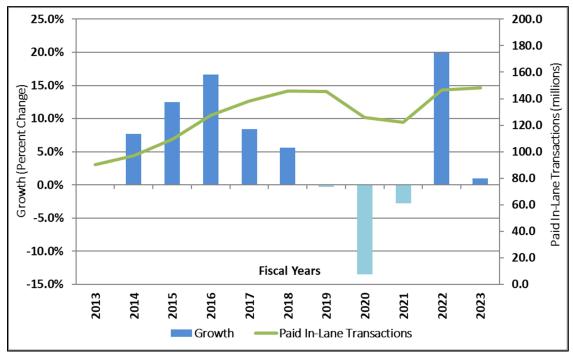
- B Effects from Hurricane Matthew in October 2016.
- C Effects from Hurricane Irma in September 2017.

- D Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- E- Continued effects of COVID-19 pandemic.
- F Effects from Hurricane Ian in September and October 2022.

In FY 2019, S.R. 417 paid in-lane transactions decreased by 0.3 percent and toll revenues increased 2.8 percent over FY 2018. Boggy Creek was the only plaza group that experienced growth in transactions of 3.1 percent in FY 2019. Paid in-lane revenues increased at all plaza groups except University Main, which decreased by 0.7 percent compared to FY 2018. The slower growth in paid in-lane transactions and revenues in FY 2019 can be attributed in part to the more than doubling of customers utilizing the PBP program, an increase of 8.1 million transactions. This change in the share of paid in-lane transactions in FY 2019 is likely due to the shift of SunPass® transaction processing to the state's Centralized Customer Service System (CCSS) that year.

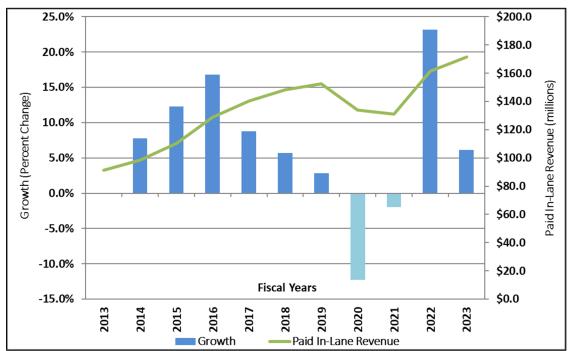
In FY 2020 and FY 2021, all S.R. 417 plaza groups experienced a decline in paid in-lane transactions and revenues, despite the FY 2020 and FY 2021 toll rate adjustments. The declines in both transactions and revenues can primarily be attributed to the negative impacts of COVID-19 pandemic. Because the fiscal year begins in July, FY 2020 only included four months of the impacts of the COVID-19 pandemic. Thus, although April 2020 (FY 2020) contained the deepest impacts of the COVID-19 pandemic, additional impacts also occurred during the early months of FY 2021, which included a full year of travel reductions and the initial recovery.

Figure 5-2 S.R. 417 Historical Paid In-Lane Transactions and Annual Growth FY 2013 – FY 2023



Source: Monthly unaudited data provided by CFX

Figure 5-3
S.R. 417 Historical Paid In-Lane Revenue and Annual Growth
FY 2013 – FY 2023



Source: Monthly unaudited data provided by CFX

The John Young Main was the plaza group affected the most from COVID-19 impacts due to its proximity to the attractions area, but Boggy Creek Main and University were also severely impacted due to their location near the airport and the University of Central Florida. It should also be noted that in FY 2020, September 2019 transactions and revenues were also negatively impacted by toll suspensions during Hurricane Dorian. Tolls were suspended on CFX toll facilities beginning on September 1, 2019 through September 5, 2019 resulting in a transaction loss of approximately 1.7 million and a toll revenue loss of \$1.8 million on S.R. 417.

In FY 2022, all S.R. 417 plaza groups experienced a significant increase in paid in-lane transactions and revenues. The increases in both transactions and revenue reflects the recovery from the negative impacts of the COVID-19 pandemic. The FY 2022 toll rate adjustment was another factor in the increase in revenue.

In FY 2023, S.R. 417 total paid in-lane transactions increased by 1.0 percent and paid in-lane revenues increased by 6.1 percent compared to FY 2022. Despite the increase over FY 2022, September and October 2022 transactions and revenues were negatively impacted by toll suspensions during Hurricane Ian. Tolls were suspended on CFX toll facilities beginning on September 27, 2022 at 5:00 PM through October 15, 2022 at 6:00 AM resulting in a transaction loss of approximately \$10.7 million on S.R. 417.

The share by plaza group of total S.R. 417 paid in-lane transactions and toll revenues during FY 2023 are presented in **Figure 5-4**. As shown, the Boggy Creek Main plaza group represented the largest share with 41.2 million transactions or 27.8 percent of total transactions. The John Young Main plaza group had the second highest number of transactions at 38.3 million or 25.8 percent. The Curry Ford Main and University Main plaza groups followed close behind with 36.1 and 32.6 million transactions, respectively. In years prior to FY 2016, the John Young Main plaza group consistently had more transactions than Boggy Creek Main. However, the Boggy Creek Main plaza group has surpassed John Young Main for the past several years. It is important to note that the Boggy Creek plaza group has more supporting ramp toll locations, some with high toll rates. Curry Ford plaza group transactions have surpassed University Main plaza group transactions for the past several years.

The annual totals and shares of paid in-lane revenues are also presented in Figure 5-4. The Boggy Creek Main and John Young Main plaza groups had the highest amounts of revenue. This is attributable to the fact that these two plaza groups have longer distances between mainline plazas which results in higher toll amounts and to the number of tolled ramp locations. The Boggy Creek Main plaza group reported the highest revenues of \$55.3 million or 32.2 percent of total revenues. The University Main plaza group represented the lowest amount of revenues with \$31.0 million or 18.1 percent of total revenues.

Transactions Toll Revenues 22.0% 25.8% 18.1% 32.6M 38.3M \$31.0M 29.5% \$50.5M 20.2% \$34.7M 27.8% 24.4% 41.2M 36.1M 32.2% \$55.3M John Young Boggy Creek Curry Ford University

Figure 5-4
S.R. 417 Paid In-Lane Transactions and Revenue by Plaza Group
FY 2023

Source: Monthly unaudited data provided by CFX

5.2.2 ANNUAL PBP TRANSACTION AND REVENUE TRENDS

A history of annual PBP transactions and toll revenues on S.R. 417 from FY 2013 to FY 2023 is presented in **Table 5-3**. PBP transactions and toll revenues are recorded by toll location and accrued monthly by plaza group, however Table 5-3 shows the annual totals for S.R. 417 as reported at year end.

Table 5-3 S.R. 417 – Historical PBP Transactions and Revenue FY 2013 – FY 2023

Fiscal Year	Transactions (millions)	Percent Change	Toll Revenues (millions)	Percent Change
2013	1.6	-	\$1.8	-
2014	2.0	25.0%	\$2.2	22.2%
2015	2.7	35.0%	\$3.0	36.4%
2016	3.9	44.4%	\$4.7	56.7%
2017	4.8	23.1%	\$6.7	42.6%
2018	6.8	41.7%	\$7.6	13.4%
2019	14.9	119.1%	\$17.4	128.9%
2020	15.4	3.4%	\$18.8	8.0%
2021	15.8	2.6%	\$30.9	64.4%
2022	18.2	15.2%	\$36.4	17.8%
2023	18.4	1.1%	\$38.8	6.6%

Source: Monthly unaudited data provided by CFX

PBP transactions have increased from 1.6 million in FY 2013 to 18.4 million in FY 2023, while PBP revenues have increased from \$1.8 million to \$38.8 million over the same period. This increase may have been supported, in part, by the switch of SunPass® processing to CCSS in FY 2019, as previously noted. In FY 2023, PBP transactions increased 1.1 percent and PBP revenues increased 6.6 percent over FY 2022. The significant increase in PBP revenues in FY 2021 can be attributed to the new PBP toll rate adopted by the CFX Board that went into effect on July 1, 2020 (FY 2021). At that time, the PBP toll rate at all toll locations was increased to twice the ETC toll rate, reflecting the cost to collect PBP tolls. Because of the new PBP toll rate, it was anticipated that going forward a portion of customers paying via PBP will switch to ETC to avoid the higher toll rate. Very small growth in FY 2023 PBP transactions could be the beginning of this trend, but it is difficult to determine due to the negative impacts of Hurricane Ian.

5.2.3 MONTHLY PAID IN-LANE TRANSACTION SEASONAL VARIATION

In **Table 5-4**, monthly paid in-lane transactions are normalized to the average number of paid in-lane transactions per day. Considering the average number of paid in-lane transactions per day allows for an easy comparison of the variations in relative travel demand over the year. The seasonal pattern of usage changes slightly from year to year, based on the number of weekdays in each month. Due to the toll suspensions during Hurricane Ian, September average daily transactions were adjusted to only include 27 days of toll collection during the month and October was adjusted to only 17 days of toll collection to normalize the data.

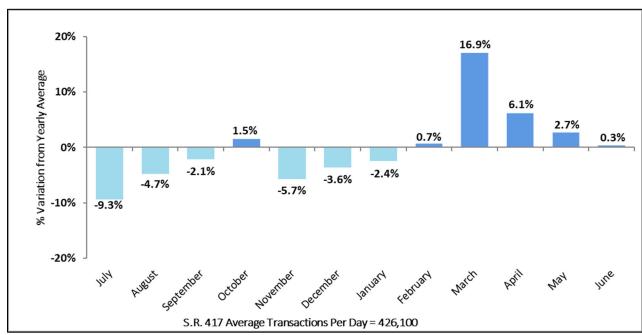
Average number of paid in-lane transactions per day in FY 2023 on S.R. 417 ranged from a low of 386,500 in July 2022 to a high of 498,000 in March 2023. March is typically the month with the highest average number of transactions per day due to the large number of tourists and seasonal residents in the area during the spring, but this fiscal year the March numbers were significantly higher than normal. These data are presented in a graphical format in **Figure 5-5**. The paid in-lane transactions for each month appear as a percentage of the average for the fiscal year. March paid in-lane transactions were 16.9 percent above average and July paid in-lane transactions were 9.3 percent below average for the facility.

Table 5-4
S.R. 417 – Monthly Seasonal Variation in Paid In-Lane Transactions
FY 2023

Month	Number of Days in Month	Paid In-Lane Transactions	Average Transactions/Day	Seasonal Factor
July	31	11,980,392	386,500	0.907
August	31	12,584,192	405,900	0.953
September	27	11,267,095	417,300	0.979
October	17	7,354,386	432,600	1.015
November	30	12,060,795	402,000	0.943
December	31	12,733,095	410,700	0.964
January	31	12,894,321	415,900	0.976
February	28	12,015,595	429,100	1.007
March	31	15,439,005	498,000	1.169
April	30	13,566,163	452,200	1.061
May	31	13,565,102	437,600	1.027
June	30	12,823,524	427,500	1.003
Average		12,356,972	426,100	1.000
Total Year	348	148,283,665		

Source: Monthly unaudited data provided by CFX

Figure 5-5
S.R. 417 Variation in Paid In-Lane Transactions Per Day, by Month
FY 2023



Source: Monthly unaudited data provided by CFX

5.2.4 PAID IN-LANE TRANSACTIONS BY VEHICLE CLASS

The distribution of mainline paid in-lane transactions at each of the S.R. 417 mainline plazas by vehicle class (number of axles) for FY 2023 is shown in **Table 5-5**. Overall, 95.3 percent of all mainline transactions on S.R. 417 were made by 2-axle vehicles, with minor variation among the plaza groups. The next most frequent vehicle class was the 5 or more-axle classification, which accounted for 1.9 percent of all mainline transactions on the facility. 3-axle vehicles accounted for 1.7 percent. Four-axle vehicles represented the smallest category with only 1.1 percent of mainline transactions.

Table 5-5
S.R. 417 Percent of Paid In-Lane Transactions by Vehicle Class
FY 2023

Vehicle Class	John Young Main	Boggy Creek Main	Curry Ford Main	University Main	S.R. 417 Total
2-Axle	94.1%	94.8%	95.9%	96.1%	95.3%
3-Axle	1.9%	2.4%	1.5%	1.3%	1.7%
4-Axle	1.1%	1.3%	1.0%	1.1%	1.1%
5 or More Axles	2.9%	1.5%	1.6%	1.5%	1.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Unaudited lane transaction data – May 2023

5.2.5 DAY-OF-WEEK TRANSACTION VARIATION

Figure 5-6 contains a comparison of transactions by day of week in FY 2023. These data are presented as an index, where the average day equals 100. An index value of 100 for a given day of the week would indicate that day's transactions were precisely the same volume as the facility average. A value of 120 indicates a day that has a 20 percent greater volume than the average. As was done in prior years, the data used for this analysis were for a typical week in May 2023. The data include transactions at mainline plazas only (no ramps).

As shown, daily transactions on S.R. 417 fluctuated over the course of the week. Transactions were highest on Fridays, with an index value of 108.3 (8.3 percent higher than the average day). Volumes on Monday through Thursday ranged from index values of 103.1 to 107.4. Saturday volumes were closer to early weekday volumes with an index value of 92.5, showing that S.R. 417 is used more frequently for non-home-based work trips. Transactions decline significantly on Sundays, which have an index value of 78.9, or 21.1 percent lower than the average day.

140 120 100 80 60 108.3 107.4 103.5 106.3 103.1 92.5 40 78.9 20 0 Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Figure 5-6 S.R. 417 Variation in Transactions, by Day of Week FY 2023

Source: Unaudited lane transaction data - May 2023

5.2.6 HOURLY TRAFFIC DISTRIBUTION

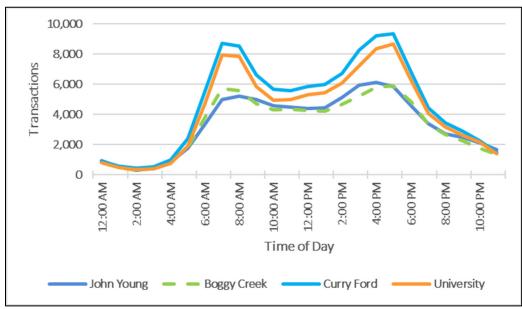
The hourly distribution of traffic volumes includes information on the usage characteristics of travel on the facility. The hourly distributions represent traffic counts taken during a typical week at the mainline plazas in the month of May. The typical weekday hourly distribution is shown in **Figure 5-7** and the hourly distribution on weekend days is shown in **Figure 5-8**. The figures contain the sum of traffic volumes in both directions.

The four mainline locations on S.R. 417 exhibit similar hourly traffic patterns. On weekdays, travel demand at all four locations is bimodal, with both morning and evening peak hours. Traffic volumes are higher in the evening peak hours than in the morning peak hours at all four mainline plazas.

The highest peak hour volumes during the week were 9,300 per hour beginning at 5:00 p.m. at the Curry Ford mainline plaza, 8,600 per hour beginning at 5:00 p.m. at the University mainline plaza, 6,100 per hour beginning at 4:00 p.m. at the John Young mainline plaza and 5,900 per hour beginning at 5:00 p.m. at the Boggy Creek mainline plaza. The University and Curry Ford mainline plazas serve a relatively higher portion of trips in peak hours, since this data only includes mainline transactions. The John Young Parkway and Boggy Creek Mainline plazas groups have higher overall transactions and revenues because there are more supporting ramp plazas (as seen in Figure 5-3), but the mainline through traffic is less than at University and Curry Ford mainline plazas.

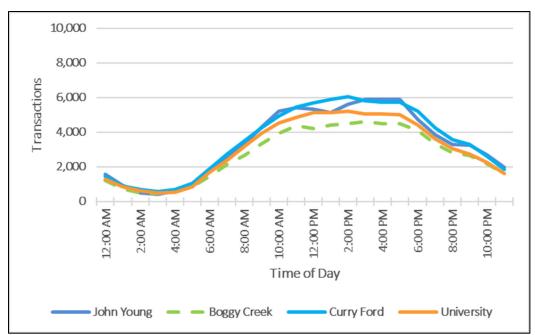
On weekends, the volumes are lower, and the distributions are unimodal, with no clear morning or evening peak periods, indicating that many customers use the facility for non-work trip purposes.

Figure 5-7 S.R. 417 Hourly Two-Way Traffic Variation (Weekday) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

Figure 5-8 S.R. 417 Hourly Two-Way Traffic Variation (Weekend) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

The Boggy Creek Main and John Young Main plaza groups both have lower transaction volumes at the mainline plazas than at ramp plazas, which are not included in the daily traffic distribution analysis. The daily traffic distribution at all plaza groups would be at similar levels if ramp transactions were included.

5.2.7 Transactions and Revenue By Payment Method

The percentage and distributions of transactions and revenue by payment method for the overall year and by month during FY 2023 are presented in **Figure 5-9**, **Figure 5-10**, and **Figure 5-11**. Customers pay tolls in one of three ways: cash, ETC, and PBP. As defined in Chapter 1 of this report, paid in-lane transactions and revenue include cash and ETC payments made when a customer travels through a CFX toll location. The remaining transactions and revenue are classified as unpaid in-lane, which includes PBP and a small portion of non-revenue transactions. PBP transactions and revenues are estimated monthly based on a FY 2023 accrual rate of 50 percent of all unpaid inlane transactions. This means that the PBP transactions and revenue shown here are estimates of the levels that will eventually pay tolls through the PBP process.

As shown in Figure 5-9, overall, ETC accounted for 87.0 percent of total transactions on the facility. PBP accounted for 11.0 percent of total transactions on the facility. Cash accounted for 2.0 percent of total transactions on the facility. The share of toll revenues by payment type is comparable to the share of transactions, recognizing the differences in the toll paid by payment method. Overall, ETC accounted for 79.3 percent of total revenue on the facility. PBP accounted for 18.4 percent of total revenue on the facility. Cash accounted for 2.3 percent of total revenue on the facility.

Transactions

2.0%

11.0%

87.0%

PBP Cash

Revenue

2.3%

79.3%

FIC PBP Cash

Figure 5-9
S.R. 417 Percent Transactions and Revenue by Payment Method
FY 2023

Source: Monthly unaudited data provided by ${\sf CFX}$

As shown in Figure 5-10, ETC transactions on S.R. 417 ranged from a low of 7.2 million in October 2022 (due to toll suspensions during Hurricane Ian) to a high of 15.1 million in March 2023. The PBP transactions ranged from a low of 0.8 million to a high of nearly 1.7 million. Cash transactions ranged from a low of approximately 0.2 million to a high of 0.4 million.

As shown in Figure 5-11, ETC revenue on S.R. 417 ranged from a low of \$8.4 million in October 2022 to a high of \$17.5 million in March 2023. The PBP revenue ranged from a low of \$1.8 million to a high of \$3.7 million. Cash revenue ranged from a low of \$0.2 million to a high of over \$0.5 million.

The differences in revenue performance by payment method are explained by differences in the toll rates. ETC customers pay the preferred toll rate; cash customers pay at least 10 percent higher rate than ETC rate; and PBP customers pay twice the ETC rate.

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Figure 5-10
S.R. 417 Monthly Transactions by Payment Method
FY 2023

Source: Monthly unaudited data provided by CFX

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Figure 5-11 S.R. 417 Monthly Revenue by Payment Method FY 2023

Source: Monthly unaudited data provided by CFX

5.3 Forecasted Transactions and Toll Revenues

The forecasts of T&R are based on several assumptions about the future, including assumptions about future toll rates. Based on the CFX "Customer First Toll Policy," toll rate adjustments (indexed tolls) were applied to the T&R forecasts every year based on the net change in CPI for the prior year with a floor of 1.5 percent. At the time of preparing the T&R estimates and this report, CDM Smith learned that the net change in CPI during CY 2023 was 4.497 percent. Based on assurances from CFX, CDM Smith used this value to index toll rates for FY 2025. CDM Smith used the floor of 1.5 percent per year every year thereafter in the forecast period.

Future transportation improvements that influence the T&R forecasts for S.R. 417 include the projects listed in **Table 5-6**, assumed completed in each model horizon year. The S.R. 417 widening program from International Drive to S.R. 528 will contribute to positive traffic and revenue growth starting in 2025 as these segments of S.R. 417 are currently under construction and expected to be completed in summer of 2024. Feeder road improvements, on local roads such as Boggy Creek Road, Innovation Way, and Narcoossee Road, will also positively impact the forecasted T&R growth on S.R. 417 through 2035. Continued investment and growth in the Medical City area contribute to positive transaction and revenue growth on S.R. 417. New expansion facilities, including S.R. 534 and Northeast Connector Expressway, Phase 1, will have impacts on the long-term forecast.

Table 5-6 S.R. 417 - Key Transportation Improvements

Facility	From	То	Year	Jurisdiction	Improvement
Interstate 4	SR 434	Kirkman Road	2025	FDOT	Widen to 10 lanes
Jeff Fuqua Boulevard	.13 miles South of Boggy Creek Road	Heintzelman Boulevard	2025	Orange County	Widen to 4 Lanes
Boggy Creek Road	Orange Co Line	SR 417	2025	Orange County	Widen to 4-lanes
Boggy Creek Road			Orange County	Widen to 4-lanes	
SR 15 (Narcoossee Road)	SR 417 (Central FL Greeneway)	SR 528 (BeachLine Expressway)	2025	City of Orlando/FDOT	Widen to 6 Lanes
SR 417	International Drive	Boggy Creek Road	2025	CFX	Widen to 6-lanes
SR 417	Boggy Creek Road	gy Creek Road SR 528 2025 CFX		Widen to 6-lanes	
SR 417	Aloma Avenue	SR 434	2035	FDOT	Widen to 8 lanes
SR 46	Mellonville Avenue	SR 415	2025	FDOT	Widen to 4-lanes
SR 417/Seminole Exp	Aloma Avenue	SR 434	2025	FDOT	Widen to 8-lanes
Wekiva Parkway/S.R. 429	Mount Plymouth Road	Interstate 4	2025	FDOT	New 4 lane Expressway
Apopka-Vineland Road (SR 535)	US 192	SR 536	2035	FDOT	Widen to 6 Lanes
Innovation Way/Dowden Road	SR 417	SR 528	2035	Orange County	New 4-lane Road
Orange Avenue	Town Center Boulevard	Osceola County Line	2035	Orange County/FDOT	Widen to 4-lanes
Narcoossee Road	US 192	Orange County Line	2035	Osceola County	Widen to 6 Lanes
SR 534	Boggy Creek Road	Narcoossee Road	2035	CFX	New 4-lane Expressway
US 441 (SR 500)	SR 44	N of SR 46	2035	FDOT	Widen to 6-lanes
SR 417/Seminole Exp	SR 434	Lake Mary Blvd	2035	FDOT	Widen to 8-lanes
Curry Ford Road	SR 417	Alafaya Trail	2045	Orange County	Widen to 6-lanes
Econlockhatchee Trail	Lake Underhill Road	Curry Ford Road	2045	Orange County	Widen to 4-lanes
SR 417/Seminole Exp	Lake Mary Blvd	1-4	2045	FDOT	Widen to 8-lanes
SR 534	Narcoossee Road	Cyrils Road	2045	CFX	New 4-lane Expressway
NE Connector/SR 534	Cyrils Road	Nova Road	2045	CFX	New 4-lane Expressway
SR 408 East Extension	Challenger Parkway	SR 50	2045	CFX	New 4-lane Expressway

Transaction and toll revenue projections for each toll plaza group and for all of S.R. 417 are summarized in **Table 5-7** and **Table 5-8**. The tables are divided into paid in-lane transactions and revenue and PBP transactions and revenue. The paid in-lane transactions and revenue include ETC and cash collection. PBP is only reported as a total on the facility.

The paid in-lane transactions on S.R. 417 are expected to grow by 2.1 percent per year through FY 2033 and then lower rates through the end of the forecast period because of the impact of continued toll rate adjustments. PBP transactions are forecasted to increase by an average of 0.3 percent per year through FY 2033 and then increase slightly through the forecast period. Total transactions on S.R. 417 are projected to increase during the forecast period from the actual of 166.6 million in FY 2023 to 249.5 million in FY 2053. The paid in-lane revenues on S.R. 417 are projected to increase significantly over the forecast period, from the FY 2023 actual of \$171.5 million to \$378.0 million in FY 2053. PBP revenues are projected to increase from \$38.8 million in FY 2023 to \$69.6 million in FY 2053. Total revenues on S.R. 417 are projected to increase during the forecast period from the actual \$210.3 million in FY 2023 to \$447.6 million in FY 2053. Total transactions and revenues are forecasted to increase an average of 2.0 and 3.4 percent per year through FY 2033, 1.2 and 2.3 percent per year from FY 2033 to FY 2043, and 1.0 and 1.9 percent per year from FY 2043 to FY 2043 to FY 2053, respectively.

Table 5-7
S.R. 417 Plaza Groups – Transaction Projections (Millions)
FY 2024 – FY 2053

2013 ^A 2014 2015 2016 2017 ^B 2018 ^C 2019* ^D 2020* ^E 2021* ^F 2022* ^G 2023* ^H	21.0 22.6 25.7 30.6 34.8 37.2 36.9 30.7 29.1 36.2 38.3 42.1 42.3	19.7 21.9 25.3 31.0 34.6 38.1 39.3 34.2 34.0 40.9 41.2	23.4 25.2 28.3 32.5 34.2 35.8 35.4 31.8 30.6 36.2	26.2 27.5 30.0 33.3 34.5 34.8 33.9 29.2 28.7	90.3 97.2 109.3 127.4 138.1 145.9 145.5 125.9	1.6 2.0 2.7 3.9 4.8 6.8 14.9	91.9 99.2 112.0 131.3 142.9 152.7 160.4	7.9% 12.9% 17.2% 8.9% 6.9%
2015 2016 2017 ^B 2018 ^c 2019 ^{*D} 2020 ^{*E} 2021 ^{*F} 2022 ^{*G}	25.7 30.6 34.8 37.2 36.9 30.7 29.1 36.2 38.3 42.1	25.3 31.0 34.6 38.1 39.3 34.2 34.0 40.9 41.2	28.3 32.5 34.2 35.8 35.4 31.8 30.6 36.2	30.0 33.3 34.5 34.8 33.9 29.2	109.3 127.4 138.1 145.9 145.5	2.7 3.9 4.8 6.8 14.9	112.0 131.3 142.9 152.7 160.4	12.9% 17.2% 8.9% 6.9%
2016 2017 ⁸ 2018 ^c 2019 ^{*D} 2020 ^{*E} 2021 ^{*F} 2022 ^{*G}	30.6 34.8 37.2 36.9 30.7 29.1 36.2 38.3 42.1	31.0 34.6 38.1 39.3 34.2 34.0 40.9 41.2	32.5 34.2 35.8 35.4 31.8 30.6 36.2	33.3 34.5 34.8 33.9 29.2	127.4 138.1 145.9 145.5	3.9 4.8 6.8 14.9	131.3 142.9 152.7 160.4	17.2% 8.9% 6.9%
2017 ⁸ 2018 ^c 2019 ^{*p} 2020 ^{*E} 2021 ^{*f} 2022 ^{*G}	34.8 37.2 36.9 30.7 29.1 36.2 38.3 42.1	34.6 38.1 39.3 34.2 34.0 40.9 41.2	34.2 35.8 35.4 31.8 30.6 36.2	34.5 34.8 33.9 29.2	138.1 145.9 145.5	4.8 6.8 14.9	142.9 152.7 160.4	8.9% 6.9%
2018 ^c 2019 ^{*D} 2020 ^{*E} 2021 ^{*F} 2022 ^{*G}	37.2 36.9 30.7 29.1 36.2 38.3 42.1	38.1 39.3 34.2 34.0 40.9 41.2	35.8 35.4 31.8 30.6 36.2	34.8 33.9 29.2	145.9 145.5	6.8 14.9	152.7 160.4	6.9%
2020*E 2021*F 2022*G	36.9 30.7 29.1 36.2 38.3 42.1	39.3 34.2 34.0 40.9 41.2	35.4 31.8 30.6 36.2	33.9 29.2	145.5	14.9	160.4	
2020*E 2021*F 2022*G	30.7 29.1 36.2 38.3 42.1	34.2 34.0 40.9 41.2	31.8 30.6 36.2	29.2				5.0%
2021 ^{*F} 2022 ^{*G}	29.1 36.2 38.3 42.1	34.0 40.9 41.2	30.6 36.2		125.9	15 /		3.070
2022 ^{*G}	36.2 38.3 42.1	40.9 41.2	36.2	28.7		13.4	141.3	-11.9%
	38.3 42.1	41.2			122.4	15.8	138.2	-2.2%
2023*H	42.1			33.4	146.7	18.2	164.9	19.3%
		16.2	36.1	32.6	148.2	18.4	166.6	1.0%
2024	42.3	40.2	38.9	35.2	162.4	16.8	179.2	7.6%
2025		46.6	39.9	35.4	164.2	17.2	181.4	1.2%
2026	42.9	47.2	40.5	35.4	166.0	17.4	183.4	1.1%
2027	43.6	48.0	41.3	35.6	168.5	17.5	186.0	1.4%
2028	44.4	48.8	42.1	35.8	171.1	17.8	188.9	1.6%
2029	45.1	49.6	42.9	35.9	173.5	18.0	191.5	1.4%
2030	45.9	50.4	43.6	36.1	176.0	18.3	194.3	1.5%
2031	46.6	51.2	44.4	36.2	178.4	18.6	197.0	1.4%
2032	47.3	52.0	45.2	36.3	180.8	18.7	199.5	1.3%
2033	48.1	52.8	45.9	36.4	183.2	18.9	202.1	1.3%
2034	48.8	53.6	46.7	36.5	185.6	19.1	204.7	1.3%
2035 2036	49.5 50.3	54.4 55.1	47.5 48.2	36.5 36.6	187.9 190.2	19.3 19.4	207.2 209.6	1.2% 1.2%
2027	51.0	55.1	49.0	36.7	190.2	19.4	209.6	1.2%
2038	51.7	56.7	49.7	36.7	192.0	19.8	212.2	1.1%
2037 2038 2039	52.4	57.5	50.5	36.8	197.2	19.9	217.1	1.2%
2040	53.1	58.2	51.3	36.8	199.4	20.2	219.6	1.2%
2041	53.8	59.0	52.0	36.9	201.7	20.3	222.0	1.1%
2042	54.5	59.7	52.7	37.0	203.9	20.6	224.5	1.1%
2043	55.2	60.5	53.5	37.0	206.2	20.6	226.8	1.0%
2044	55.9	61.2	54.2	37.0	208.3	20.9	229.2	1.1%
2045	56.6	62.0	54.9	37.1	210.6	21.0	231.6	1.0%
2046	57.3	62.7	55.7	37.1	212.8	21.2	234.0	1.0%
2047	57.9	63.5	56.4	37.2	215.0	21.3	236.3	1.0%
2048	58.6	64.2	57.1	37.2	217.1	21.5	238.6	1.0%
2049	59.2	64.9	57.8	37.2	219.1	21.6	240.7	0.9%
2050	59.9	65.6	58.5	37.3	221.3	21.9	243.2	1.0%
2051	60.5	66.3	59.1	37.3	223.2	21.9	245.1	0.8%
2052 2053	61.1 61.7	67.0 67.7	59.8 60.5	37.3 37.4	225.2 227.3	22.2 22.2	247.4 249.5	0.9% 0.8%

Fiscal Year	Compound Annual Average Growth Rate (CAAGR)									
2013 - 2023	6.2%	7.7%	4.4%	2.2%	5.1%	27.7%	6.1%			
2023 - 2033	2.3%	2.5%	2.4%	1.1%	2.1%	0.3%	2.0%			
2033 - 2043	1.4%	1.4%	1.5%	0.2%	1.2%	0.9%	1.2%			
2043 - 2053	1.1%	1.1%	1.2%	0.1%	1.0%	0.8%	1.0%			

 $\hbox{*Indicates systemwide toll rate increase according to Customer First Toll Policy}$

Notes:

 $\label{lem:condition} \mbox{Actual transaction data provided by CFX from Monthly Statistical Report.}$

- A Systemwide toll rate increase.
- $\mbox{\ensuremath{B}}$ Effects from Hurricane Matthew in October 2016.
- C Effects from Hurricane Irma in September 2017.
- D First year of implementation of "Customer First" toll rate policy.
- E Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- F New toll rates for PBP customers, set at 2.0 times the ETC rate. Continued effects of COVID-19 pandemic.
- G Completion of I-4 Ultimate project.
- H Effects from Hurricane Ian in September 2022.

Table 5-8
S.R. 417 Plaza Groups – Toll Revenue Projections (Millions)
FY 2024 – FY 2053

Fiscal Year	John Young Main			Curry Ford University Main Main		PBP	Total	Percent Annual Change
2013 ^A	\$25.3	\$24.3	\$19.8	\$21.8	\$91.2	\$1.8	\$93.0	-
2014	\$27.2	\$26.9	\$21.3	\$22.9	\$98.3	\$2.2	\$100.5	8.1%
2015	\$30.6	\$30.8	\$24.0	\$25.0	\$110.4	\$3.0	\$113.4	12.8%
2016	\$35.9	\$37.7	\$27.6	\$27.8	\$129.0	\$4.7	\$133.7	18.0%
2017 ^B	\$40.4	\$42.0	\$29.1	\$28.9	\$140.4	\$6.7	\$147.1	10.0%
2018 _c	\$43.0	\$45.7	\$30.5	\$29.2	\$148.4	\$7.6	\$156.0	6.1%
2019	\$44.3	\$48.6	\$30.7	\$29.0	\$152.6	\$17.4	\$170.0	9.0%
2020 ^{*E}	\$37.1	\$42.6	\$28.6	\$25.6	\$133.9	\$18.8	\$152.7	-10.2%
2021 ^{*F}	\$34.9	\$42.5	\$27.9	\$25.9	\$131.2	\$30.9	\$162.1	6.2%
2022 ^{*G}	\$45.4	\$52.4	\$33.4	\$30.4	\$161.6	\$36.4	\$198.0	22.1%
2023*H	\$50.5	\$55.3	\$34.7	\$31.0	\$171.5	\$38.8	\$210.3	6.2%
2024	\$55.7	\$62.5	\$37.4	\$33.6	\$189.2	\$36.6	\$225.8	7.4%
2025	\$58.5	\$65.8	\$40.0	\$35.2	\$199.5	\$39.1	\$238.6	5.7%
2026	\$60.2	\$67.7	\$41.3	\$35.8	\$205.0	\$40.3	\$245.3	2.8%
2027	\$61.9	\$69.5	\$42.5	\$36.4	\$210.3	\$41.2	\$251.5	2.5%
2028	\$63.8	\$71.6	\$43.9	\$37.0	\$216.3	\$42.3	\$258.6	2.8%
2029	\$65.7	\$73.6	\$45.2	\$37.6	\$222.1	\$43.3	\$265.4	2.6%
2030	\$67.6	\$75.7	\$46.6	\$38.2	\$228.1	\$44.5	\$272.6	2.7%
2031	\$69.5	\$77.9	\$48.0	\$38.8	\$234.2	\$45.6	\$279.8	2.6%
2032	\$71.4	\$80.0	\$49.4	\$39.4	\$240.2	\$46.7	\$286.9	2.5%
2033	\$73.4	\$82.2	\$50.9	\$40.0	\$246.5	\$47.7	\$294.2	2.5%
2034	\$75.4	\$84.4	\$52.3	\$40.6	\$252.7	\$48.8	\$301.5	2.5%
2035	\$77.4 \$79.5	\$86.6 \$88.8	\$53.8 \$55.3	\$41.1 \$41.7	\$258.9	\$49.8	\$308.7	2.4%
2036 2037 ↔	404.5	\$88.8	\$55.3 \$56.8	\$41.7	\$265.3 \$271.5	\$51.0 \$52.2	\$316.3 \$323.7	2.5% 2.3%
2038	\$83.6	\$93.3	\$58.3	\$42.8	\$271.3	\$52.2	\$323.7	2.3%
2038 2039 2040	\$85.7	\$95.6	\$59.8	\$43.3	\$284.4	\$54.3	\$338.7	2.3%
2040	\$87.8	\$97.9	\$61.4	\$43.8	\$290.9	\$55.4	\$346.3	2.2%
2041	\$90.0	\$100.3	\$63.0	\$44.4	\$297.7	\$56.4	\$354.1	2.3%
2042	\$92.1	\$102.6	\$64.6	\$44.9	\$304.2	\$57.6	\$361.8	2.2%
2043	\$94.3	\$105.0	\$66.1	\$45.5	\$310.9	\$58.7	\$369.6	2.2%
2044	\$96.4	\$107.4	\$67.8	\$46.0	\$317.6	\$59.9	\$377.5	2.1%
2045	\$98.5	\$109.9	\$69.4	\$46.5	\$324.3	\$60.9	\$385.2	2.0%
2046	\$100.7	\$112.3	\$71.0	\$47.0	\$331.0	\$62.0	\$393.0	2.0%
2047	\$102.8	\$114.7	\$72.6	\$47.5	\$337.6	\$63.0	\$400.6	1.9%
2048	\$105.0	\$117.1	\$74.2	\$48.0	\$344.3	\$64.1	\$408.4	1.9%
2049	\$107.2	\$119.5	\$75.8	\$48.5	\$351.0	\$65.3	\$416.3	1.9%
2050	\$109.3	\$121.9	\$77.4	\$49.0	\$357.6	\$66.3	\$423.9	1.8%
2051	\$111.5	\$124.4	\$79.0	\$49.5	\$364.4	\$67.4	\$431.8	1.9%
2052	\$113.7	\$126.8	\$80.6	\$50.0	\$371.1	\$68.6	\$439.7	1.8%
2053	\$115.9	\$129.3	\$82.3	\$50.5	\$378.0	\$69.6	\$447.6	1.8%

Fiscal Year	Compound Annual Average Growth Rate (CAAGR)									
2013 - 2023	7.2%	8.6%	5.8%	3.6%	6.5%	35.9%	8.5%			
2023 - 2033	3.8%	4.0%	3.9%	2.6%	3.7%	2.1%	3.4%			
2033 - 2043	2.5%	2.5%	2.6%	1.3%	2.3%	2.1%	2.3%			
2043 - 2053	2.1%	2.1%	2.2%	1.0%	2.0%	1.7%	1.9%			

*Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

 $\label{eq:cfx} \mbox{Actual revenue data provided by CFX from Monthly Statistical Report.}$

- A Systemwide toll rate increase.
- $\ensuremath{\mathsf{B}}$ Effects from Hurricane Matthew in October 2016.
- C Effects from Hurricane Irma in September 2017.
- D First year of implementation of "Customer First" toll rate policy.
- E Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- F New toll rates for PBP customers, set at 2.0 times the ETC rate. Continued effects of COVID-19 pandemic.
- G Completion of I-4 Ultimate project.
- H Effects from Hurricane Ian in September 2022.



S.R. 429Daniel Webster
Western Beltway

S.R. 429 (DANIEL WEBSTER WESTERN BELTWAY AND WEKIVA PARKWAY)

6.1 Facility Description

S.R. 429, also known as the Daniel Webster Western Beltway/Wekiva Parkway, is a 34-mile expressway that extends north from I-4 in Osceola County to U.S. Highway 441 in Apopka. As its name suggests, it comprises a majority of the western beltway around Orlando. The Western Beltway is owned and operated by two agencies, CFX and FTE. CFX is responsible for the 31-mile portion of S.R. 429 from Seidel Road north to Mt. Plymouth Road and FTE is responsible for the 11-mile segment of S.R. 429 from I-4 north to Seidel Road. On the CFX portion there are four mainline toll plazas: the Independence Main Plaza, Forest Lake Main Plaza, Ponkan Main Plaza, and Mt. Plymouth Main Plaza. Ramp toll plazas associated with the Independence Main plaza group are located at the New Independence Parkway, Winter Garden Vineland



Road, Stoneybrook West Parkway and Schofield Road interchanges. Ramp toll plazas associated with the Forest Lake Main plaza group are located at the East Plant Street (S.R. 438), West Road and Ocoee-Apopka Road interchanges. There are no ramp toll plazas associated with the Ponkan Main and Mt. Plymouth Main plaza groups. Of the 23 miles on S.R. 429, three miles are part of a dual route with S.R. 414. A map of CFX's portion of S.R. 429 including the FY 2023 CFX toll rates for the mainline and ramp toll plazas is shown in **Figure 6-1**.

The original 10-mile segment of S.R. 429, known as Part A, opened to traffic in July of 2000 from S.R. 50 to U.S. 441, with the connection to Florida's Turnpike opening in November 2001. It was the first expressway on the CFX System to have an open road tolling style toll plaza for ETC customers. This segment provided a direct connection from the Turnpike to Apopka and much needed access to West Orange County. The next segment, a 4.5-mile segment of S.R. 429, Part C, opened to traffic in December 2002 and connected to Winter Garden Vineland Road. CFX's segment from Winter Garden Vineland to Seidel Road was opened to traffic in December of 2005, in conjunction with FTE's first segment from Seidel Road to U.S. 192. FTE opened its segment of S.R. 429 Part C, connecting to I-4, in December of 2006.

In June of 2010, construction began on Phase II of S.R. 414, the Apopka Expressway, which included a new interchange between S.R. 414 and S.R. 429 and an extension of S.R. 429/S.R. 414 northwest to U.S. 441 new Plymouth Sorrento Road. The new connection of S.R. 414 and S.R. 429 required that approximately one mile of the then current S.R. 429 roadway be removed and the old segment of S.R. 429 north of the current S.R. 414 interchange was designated as S.R. 451. The Ocoee-Apopka Road Interchange was also relocated south of the S.R. 414/S.R. 429 Interchange with new tolled ramps added to and from the north.

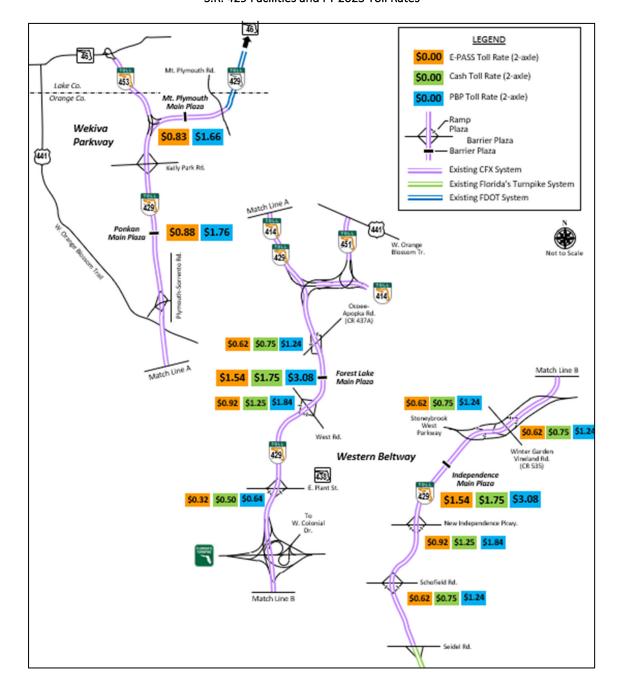


Figure 6-1
S.R. 429 Facilities and FY 2023 Toll Rates

S.R. 429 serves as an alternative route to I-4 and provides a direct connection from Florida's Turnpike to Walt Disney World and Tampa for travelers from the northern and western portions of the Orlando urban area. In May 2015, CFX opened the new full interchange between S.R. 429 and Schofield Road to provide additional access to this rapidly growing area of western Orange County.

The extension of S.R. 429, locally known as the Wekiva Parkway, is a 27-mile expressway that extends S.R. 429 into northwest Orange, northeast Lake, and east Seminole counties. Originally documented in the 1983 *Year 2000 Long Range Expressway Plan*, the Wekiva Parkway – then known as the Western Bypass and later as the Western Beltway, Part B, fully opened to traffic on April 1, 2018. CFX's 9 miles of the Wekiva Parkway add two additional plaza groups to S.R. 429 along CFX's section of the Wekiva Parkway: the Ponkan Main Plaza, about 3.2 miles north of the then current S.R. 429 terminus which opened July 28, 2017 (FY 2018); and the Mt. Plymouth Main Plaza, about 3.6 miles from the Ponkan Main Plaza which opened April 1, 2018 (FY 2018). These are all electronic toll (AET) locations, the first on the CFX System. Customers pay tolls with ETC or through the PBP process. There are no toll booths to pay the toll with cash. The Wekiva Parkway also included construction of S.R. 453, discussed in Chapter 8. FDOT's 18-mile portion of Wekiva Parkway is mainly complete with the opening of Section 7A in August of 2022. The only remaining portion still under construction is Section 8 including the I-4 interchange which is expected to fully open in early 2024.

In addition to construction of the facility itself, CFX has maintained and improved capacity on S.R. 429 over the years through a series of programmed widenings and resurfacing efforts, outlined in **Table 6-1**.

Date Opened

CR 535/Stoneybrook Pkwy. Interchange - Extending and resuracing SB off-ramp and widening NB on-ramp

August 2019

Kelly Park Rd. Interchange - Added turn lane and ramp improvement to SB on-ramp

May 2020

New Independence Pkwy. - Widen SB off-ramp

October 2020

Opened new set of all-electronic tolling ramps to Stoneybrook West Pkwy., to/from north

Table 6 -1 S.R. 429 Facility Improvements

CFX has programmed a significant widening program on S.R. 429 between Tilden Road and S.R. 414. Approximately 13 miles of S.R. 429 will be widened from 4 to 6 lanes and include a hardened shoulder, called Flex Lanes, for part time use during peak hours or incidents. The S.R. 429 widening projects have been divided into three segments; from Tilden Road to Florida's Turnpike; From Florida's Turnpike to West Road; and from West Road to S.R. 414, to minimize the impact to motorists. Construction on all segments began in January 2022 and is scheduled to be complete by summer of-2024.

6.2 Historical Transactions and Toll Revenues

As defined in Chapter 1, CFX transactions and toll revenues are classified as either paid in-lane (ETC and cash) or unpaid in-lane (PBP and non-revenue). Total transactions are the sum of paid in-lane and unpaid in-lane transactions. Total revenue is the sum of paid in-lane revenue and the

revenue collected through the PBP process, estimated as an accrued amount. The following section includes a breakdown of transactions and revenues by paid in-lane and PBP.

6.2.1 ANNUAL PAID IN-LANE TRANSACTION AND REVENUE TRENDS

The history of the annual paid in-lane transactions for the Forest Lake Main, Independence Main, Ponkan Main and Mt. Plymouth Main plaza groups from FY 2013 to FY 2023 is presented in the top half of **Table 6-2**. Annual paid in-lane toll revenues are also summarized and totaled in the bottom half of the table. The facility data and annual growth are also presented visually in **Figure 6-2** and **Figure 6-3**. These historical tables and figures do not include PBP transactions and revenues, only those that are paid in-lane. For this reason, the information presented in this section may differ slightly from the data presented in the FY 2023 Comprehensive Annual Financial Report (CAFR) and other information in this report.

In FY 2014, all plaza groups experienced growth in paid in-lane transactions and toll revenues. Overall, S.R. 429 paid in-lane transactions increased 12.9 percent and toll revenues increased 14.0 percent over FY 2013. FY 2014 began a six-year period of extraordinary growth after the Great Recession that did not end until the COVID-19 pandemic in FY 2020. This growth is likely the result of facility ramp-up, following the opening of various segments, and local development. From FY 2015 to FY 2019, S.R. 429 experienced double-digit annual growth in both paid in-lane transactions and revenues. Over the six-year period, paid in-lane transactions and revenue nearly doubled.

In October 2016 (FY 2017), Hurricane Matthew tracked parallel to the Florida coast as a Category 3 storm with winds up to 130 miles per hour. Tolls were suspended on the CFX System beginning at 8:00 p.m. on October 5, 2016 through early on October 10, 2016. The toll suspension resulted in a loss of approximately 0.5 million transactions and \$0.6 million in toll revenues on S.R. 429. In September 2017 (FY 2018), Hurricane Irma tracked parallel to the Florida coast as a Category 4 storm with winds up to 155 miles per hour. Tolls were suspended on CFX toll facilities beginning on September 5, 2017 through September 20, 2017 resulting in a transaction loss of approximately 2.2 million and a toll revenue loss of \$2.5 million on S.R. 429. The negative impacts of these storms were largely offset by the significant growth experienced on the S.R. 429 during this period.

Table 6-2 S.R. 429 Plaza Groups – Historical Paid In-Lane Transactions and Revenue FY 2013 – FY 2023

Fiscal Year	Forest Lake Main ^A	Independence Main	Ponkan Main	Mt. Plymouth Main	TOTAL	Forest Lake Main ^A	Independence Main	Ponkan Main	Mt. Plymouth Main	TOTAL		
		TRANSAC	TIONS (millio	ns)		PERCENT CHANGE						
2013 ^A	14.2	13.0			27.2	-	-			-		
2014	16.1	14.6			30.7	13.4%	12.3%			12.9%		
2015	18.3	16.9			35.2	13.7%	15.8%			14.7%		
2016	21.4	19.8			41.2	16.9%	17.2%			17.0%		
2017 ^B	23.4	22.1			45.5	9.3%	11.6%			10.4%		
2018 ^{C,D}	24.4	23.9	3.0	0.4	51.7	4.3%	8.1%			13.6%		
2019*	25.7	25.5	4.9	1.5	57.6	5.3%	6.7%	63.3%	275.0%	11.4%		
2020 ^{*,E}	23.8	22.7	4.8	1.4	52.7	-7.4%	-11.0%	-2.0%	-6.7%	-8.5%		
2021*,F	24.5	22.8	5.4	1.4	54.1	2.9%	0.4%	12.5%	0.0%	2.7%		
2022*	27.6	27.8	6.8	1.8	64.0	12.7%	21.9%	25.9%	28.6%	18.3%		
2023 ^{*,G}	25.8	27.5	7.9	3.4	64.6	-6.5%	-1.1%	16.2%	88.9%	0.9%		
		TOLL REV	'ENUE (millio	ns)		PERCENT CHANGE						
2013 ^A	\$17.1	\$12.3			\$29.4	-	-			-		
2014	\$19.5	\$14.0			\$33.5	13.8%	14.1%			14.0%		
2015	\$22.1	\$16.8			\$38.9	13.3%	20.0%			16.1%		
2016	\$25.9	\$20.1			\$46.0	17.2%	19.6%			18.3%		
2017 ^B	\$28.4	\$23.3			\$51.7	9.7%	15.9%			12.4%		
2018 ^{C,D}	\$29.6	\$25.8	\$2.6	\$0.3	\$58.3	4.2%	10.7%			12.8%		
2019*	\$32.1	\$29.1	\$4.2	\$1.3	\$66.7	8.4%	12.8%	61.5%	333.3%	14.4%		
2020 ^{*,E}	\$30.4	\$26.6	\$4.3	\$1.2	\$62.5	-5.3%	-8.6%	2.4%	-7.7%	-6.3%		
2021 ^{*,F}	\$31.7	\$27.1	\$4.9	\$1.2	\$64.9	4.3%	1.9%	14.0%	0.0%	3.8%		
2022*	\$36.5	\$34.2	\$6.2	\$1.6	\$78.5	15.1%	26.2%	26.5%	33.3%	21.0%		
2023 ^{*,G}	\$35.2	\$35.6	\$7.6	\$3.2	\$81.6	-3.6%	4.1%	22.6%	100.0%	3.9%		

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

A - Systemwide toll rate increase in July 2012. Implementation of cash and electronic

toll rate differential.

B - Effects from Hurricane Matthew in October 2016.

C - Ponkan Main plaza opened on July 28, 2017. Mt. Plymouth Main plaza opened on

April 1, 2018.

D - Effects from Hurricane Irma in September 2017.

E - Effects from Hurricane Dorian in September 2019 and

first effects of COVID-19 pandemic began in March 2020.

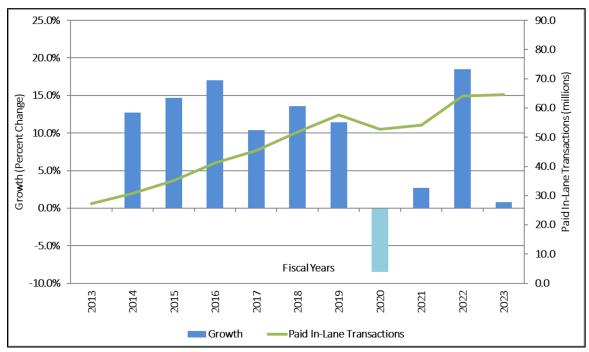
F - Continued effects of COVID-19 pandemic.

G - Effects from Hurricane Ian in September and October 2022.

In FY 2019, all plaza groups experienced growth in paid in-lane transactions and toll revenues. FY 2019 was the first full year of toll collection at the Ponkan Main and Mt. Plymouth Main plaza groups. Overall, S.R. 429 paid in-lane transactions increased 11.4 percent and toll revenues increased 14.4 percent over FY 2018. While other CFX expressways experienced some reductions in paid in-lane transactions potentially due to the shift of SunPass® transaction processing to the state's CCSS that year, the high growth on S.R. 429 largely offset any transaction shifts to PBP. It should be noted that S.R. 429 PBP transactions more than doubled in FY 2019, from 1.9 million during the prior year to 5.0 million.

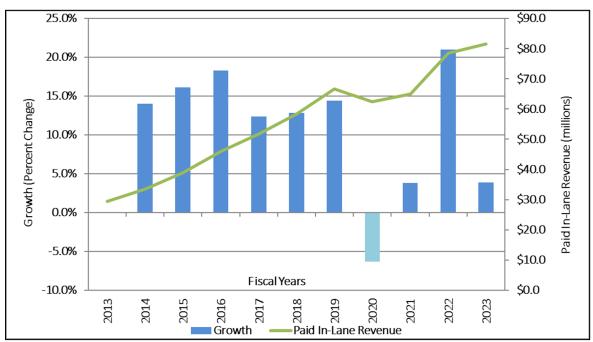
In FY 2020, all S.R. 429 plaza groups experienced a decline in paid in-lane transactions and revenues, despite the FY 2020 toll rate adjustment. The declines in both paid in-lane transactions and revenues can be attributed to the negative impacts of the COVID-19 pandemic. Because the fiscal year begins in July, FY 2020 only included four months of the impacts of the COVID-19 pandemic. Thus, although April 2020 (FY 2020) contained the deepest impacts of the COVID-19 pandemic, additional impacts also occurred during the early months of FY 2021, which included a full year of travel reductions and the initial recovery.

Figure 6-2 S.R. 429 Historical Paid In-Lane Transactions and Annual Growth FY 2013 – FY 2023



Source: Monthly unaudited data provided by CFX

Figure 6-3
S.R. 429 Historical Paid In-Lane Revenue and Annual Growth
FY 2013 – FY 2023



Source: Monthly unaudited data provided by CFX

September 2019 transactions and revenues were also negatively impacted by toll suspensions during Hurricane Dorian. Tolls were suspended on CFX toll facilities beginning on September 1, 2019 through September 5, 2019 resulting in a transaction loss of approximately 0.8 million and a toll revenue loss of \$1.0 million on S.R. 429.

All S.R. 429 plaza groups experienced an increase in paid in-lane transactions and revenues in FY 2021. This increase can be attributed to the year-over-year recovery from the worst of the COVID-19 pandemic (i.e., April 2020) and the FY 2021 toll rate adjustment. The largest increase was experienced at the Ponkan Main plaza group with an increase of 12.5 percent in transactions and 14.0 percent in revenues, which is likely the result of continued ramp-up.

In FY 2022, all S.R. 429 plaza groups experienced a significant increase in paid in-lane transactions and revenues. The increases in both transactions and revenue reflects the recovery from the negative impacts of the COVID-19 pandemic, as well as continued growth along the corridor. The FY 2022 toll rate adjustment was another factor in the increase in revenue.

In FY 2023, S.R. 429 total paid in-lane transactions increased by 0.9 percent and paid in-lane revenues increased by 3.9 percent compared to FY 2022. Despite the increase over FY 2022, September and October 2022 transactions and revenues were negatively impacted by toll suspensions during Hurricane Ian. Tolls were suspended on CFX toll facilities beginning on September 27, 2022 at 5:00 PM through 6:00 AM on October 15, 2022 (over 17 days) resulting in a transaction loss of approximately 3.5 million and a toll revenue loss of approximately \$4.9 million on S.R. 417.

The share by plaza group of total S.R. 429 paid in-lane transactions and toll revenues during FY 2023 are presented in **Figure 6-4**. The Independence Main plaza group represented the largest number of transactions on S.R. 429 with 27.5 million transactions, or 42.6 percent of total facility transactions. This is the second year that Independence Main has surpassed the Forest Lake Main plaza group, which recorded 25.8 million transactions or 39.9 percent. The Ponkan Main plaza represented 7.9 million transactions, or 12.2 percent, and the Mt. Plymouth Main plaza carried the remaining 3.4 million transactions, or 5.3 percent.

Transactions **Toll Revenues** 5.3% 9.3% 3.9% 12.2% \$7.6M \$3.2M 7.9M 3.4M 39.9% 43.1% 25.8M \$35.2M 42.6% 43.7% 27.5M \$35.6M Forest Lake Independence Ponkan Mt. Plymouth

Figure 6-4
S.R. 429 Paid In-Lane Transactions and Revenue by Plaza Group
FY 2023

Source: CFX Statistical Report June 2023

The annual totals and shares of paid in-lane toll revenues are similar to the results reported for annual paid in-lane transactions. The Independence Main plaza group had the highest share of revenue, representing \$35.6 million in toll revenues or 43.7 percent of the total. Forest Lake Main plaza group represented \$35.2 million, or 43.1 percent of total revenue on the facility. The Ponkan Main plaza represented \$7.6 million or 9.3 percent of the total, and the Mt. Plymouth Main plaza carried the remaining \$3.2 million, or 3.9 percent of total toll revenues on the facility.

6.2.2 ANNUAL PBP TRANSACTION AND REVENUE TRENDS

A history of annual PBP transactions and toll revenues on S.R. 429 from FY 2013 to FY 2023 is presented in **Table 6-3**. PBP transactions and toll revenues are recorded by toll location and accrued monthly by plaza group, however Table 6-3 shows the annual totals for S.R. 429 as reported at year end.

Table 6-3
S.R. 429 – Historical PBP Transactions and Revenue
FY 2013 – FY 2023

Fiscal Year	Transactions (millions)	Percent Change	Toll Revenues (millions)	Percent Change
2013	0.5	-	\$0.4	-
2014	0.6	20.0%	\$0.6	50.0%
2015	0.9	50.0%	\$0.8	33.3%
2016	1.3	44.4%	\$1.4	75.0%
2017	1.6	23.1%	\$2.0	42.9%
2018	2.0	25.0%	\$2.5	25.0%
2019	5.0	150.0%	\$6.9	176.0%
2020	6.0	20.0%	\$8.6	24.6%
2021	6.6	10.0%	\$14.3	66.3%
2022	7.9	19.7%	\$17.3	21.0%
2023	8.8	11.4%	\$20.0	15.6%

Source: Unaudited data provided by CFX

PBP transactions have increased from 0.5 million in FY 2013 to 8.8 million in FY 2023, while PBP revenues have increased from \$0.4 million to \$20.0 million over the same period. In FY 2023, PBP transactions increased 11.4 percent and PBP revenues increased 15.6 percent over FY 2022. In 2019, PBP transactions and increased 150.0 percent, and PBP revenues increased 176.0 percent over 2018, which reflects the SunPass Conversion of their back office to CCSS that caused many customers to switch to PBP. During the early part of the COVID-19 pandemic, cash toll collection was suspended for several months. For this reason, PBP transactions and revenue increased year-over-year in FY 2020 and in FY 2021. The significant increase in PBP revenues in FY 2021 can also be attributed to the new PBP toll rate adopted by the CFX Board that went into effect on July 1, 2020 (FY 2021). At that time, the PBP toll rate at all toll locations was increased to twice the ETC toll rate, reflecting the cost to collect PBP tolls. Because of the new PBP toll rate, it was anticipated that going forward a portion of customers paying via PBP will switch to ETC to avoid the higher toll rate. Slower growth in FY 2023 PBP transactions could be the beginning of this trend, but it's difficult to determine due to the negative impacts of Hurricane Ian.

6.2.3 Monthly Paid In-Lane Transaction Seasonal Variation

In **Table 6-4**, monthly paid in-lane transactions are normalized to the average number of paid inlane transactions per day. Considering the average number of transactions per day allows for an easy comparison of the variations in relative travel demand over the year. The pattern of seasonal usage changes slightly from year to year, based on the number of weekdays in each month. Due to the toll suspensions during Hurricane Ian, September average daily transactions were adjusted to only include 27 days of toll collection during the month and October was adjusted to only 17 days of toll collection to normalize the data.

Average transactions per day in FY 2023 on S.R. 429 ranged from a low of approximately 162,700 in July 2022 to a high of 219,800 in March 2023. March is typically the month with the highest average number of transactions per day due to the large number of tourists and seasonal residents in the area during the spring. These data are presented in a graphical format in **Figure 6-5**. The transactions for each month appear as a percentage of the average for the fiscal year. March paid in-lane transactions were 18.4 percent above average and July paid in-lane transactions were 12.4 percent below average for the facility.

Table 6-4
S.R. 429 – Monthly Seasonal Variation in Paid In-Lane Transactions
FY 2023

Month	Number of Days in Month	Paid In-Lane Transactions	Average Transactions/Day	Seasonal Factor
July	31	5,043,510	162,700	0.876
August	31	5,364,113	173,000	0.932
September	27	4,811,795	178,200	0.960
October	17	3,099,936	182,300	0.982
November	30	5,228,396	174,300	0.939
December	31	5,660,889	182,600	0.983
January	31	5,572,701	179,800	0.968
February	28	5,217,151	186,300	1.003
March	31	6,814,932	219,800	1.184
April	30	6,005,541	200,200	1.078
May	31	6,059,242	195,500	1.053
June	30	5,739,379	191,300	1.030
Average		5,384,799	185,700	1.000
Total Year	348	64,617,585		

Source: CFX Statistical Report June 2023

20% 18.4% 15% % Variation from Yearly Average 10% 7.8% 5.3% 5% 3.0% 0.3% 0% -1.7% -1.8% -5% -3.2% -4.0% -6.1% -6.8% -10% -12.4% -15% S.R. 429 Average Transactions Per Day = 185,700

Figure 6-5
S.R. 429 Variation in Paid In-Lane Transactions Per Day, by Month
FY 2023

Source: CFX Statistical Report June 2023

6.2.4 PAID IN-LANE TRANSACTIONS BY VEHICLE CLASS

The distribution of mainline paid in-lane transactions at each of the S.R. 429 mainline plazas by vehicle class (number of axles) for FY 2022 is shown in **Table 6-5**. Overall, 92.4 percent of mainline transactions on S.R. 429 were made by 2-axle vehicles, with minor variation among the plaza groups. Thus, S.R. 429 represents the CFX Expressway with the greatest share of 3-or-more-axle vehicles, which may be due to a number of warehouses and other commercial facilities along the corridor. The next most frequent vehicle class was the 5 or more-axle vehicles, which accounted for 3.3 percent of mainline transactions on the facility. Three-axle vehicles accounted for 2.3 percent. Four-axle vehicles represented the smallest category with only 2.0 percent of mainline transactions.

Table 6-5
S.R. 429 Percent of Paid In-Lane Transactions by Vehicle Class
FY 2023

Vehicle Class	Forest Lake Main	Independence Main	Ponkan Main	Mt. Plymouth Main	S.R. 429 Total
2-Axle	92.3%	92.7%	92.9%	90.5%	92.4%
3-Axle	2.5%	1.8%	2.8%	2.8%	2.3%
4-Axle	2.1%	1.9%	1.6%	2.4%	2.0%
5 or More Axles	3.1%	3.6%	2.7%	4.3%	3.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Unaudited lane transaction data - May 2023

6.2.5 DAY-OF-WEEK TRANSACTION VARIATION

Figure 6-6 contains a comparison of transactions by day of week in FY 2023. These data are presented as an index, where the average day equals 100. An index value of 100 for a given day of the week would indicate that day's transactions were precisely the same volume as the facility's average. A value of 120 indicates a day that has a 20 percent greater volume than the average. As was done in prior years, the data used for this analysis were for a typical week in May 2023. The data include transactions at mainline plazas only (no ramps).

FY 2023 weekday transactions on S.R. 429 fluctuated over the course of the five-day work week. Transactions were highest on Fridays, with an index value of 116.3 (16.3 percent higher than the average day), and volumes on Monday through Thursday ranged from index values of 98.0 to 108.4. Saturday and Sunday volumes were lower with index values of 94.4 and 74.9, respectively.

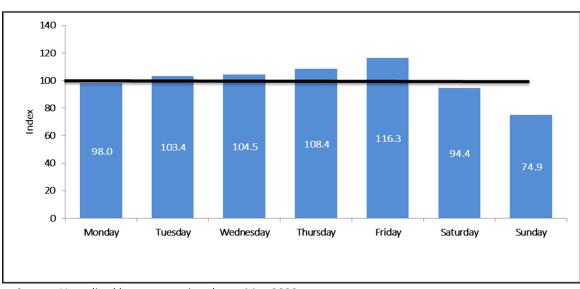


Figure 6-6
S.R. 429 Variation in Transactions, by Day of Week
FY 2023

Source: Unaudited lane transaction data - May 2023

6.2.6 HOURLY TRAFFIC DISTRIBUTION

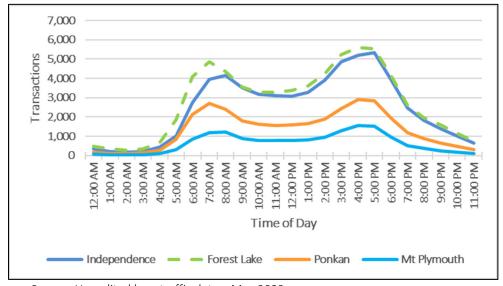
The hourly distribution of traffic volumes includes information on the usage characteristics of travel on the facility. The hourly distributions represent counts taken during a typical week at the mainline plazas in the month of May. The typical weekday hourly distribution is shown in **Figure 6-7** and the weekend hourly distribution is shown in **Figure 6-8**. The figures contain the sum of traffic volumes in both directions.

The four mainline locations on S.R. 429 exhibit similar hourly traffic patterns. On weekdays, travel demand at all four locations is bimodal, with both morning and evening peak hours. Traffic volumes are higher in the evening peak hours than in the morning peak hours at all four mainline plazas. The highest peak hour volumes during the week were 5,600 per hour beginning at 4:00 p.m. at the Forest Lake mainline plaza, 5,300 per hour beginning at 5:00 p.m. at the Independence mainline plaza, 2,900 per hour beginning at 4:00 pm at the Ponkan mainline plaza, and 1,600 per

hour beginning at 4:00 p.m. at the Mt. Plymouth mainline plaza. The Forest Lake and Independence mainline plazas serve a relatively higher portion of trips in peak hours. Even though Independence Main has more overall transactions because of more supporting ramp plazas, Forecast Lake Main has higher traffic going through the mainline plaza.

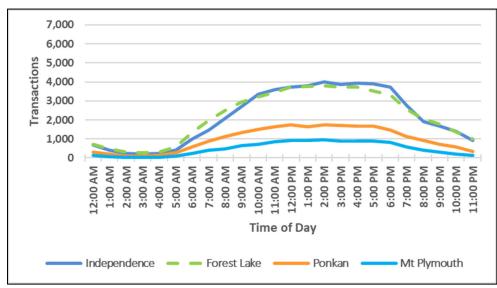
On weekends, the volumes are lower, and the distributions are unimodal, with no clear morning or evening peak periods, indicating that many customers use the facility for non-work trip purposes.

Figure 6-7 S.R. 429 Hourly Two-Way Traffic Variation (Weekday) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

Figure 6-8 S.R. 429 Hourly Two-Way Traffic Variation (Weekend) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

6.2.7 TRANSACTIONS AND REVENUE BY PAYMENT METHOD

The percentage and distributions of transactions and revenue by payment method for the overall year and by month during FY 2023 are presented in Figure 6-9, Figure 6-10, and Figure 6-11. Customers pay tolls in one of three ways: cash, ETC, and PBP. As defined in Chapter 1 of this report, paid in-lane transactions and revenue include cash and ETC payments made when a customer travels through a CFX toll location. The remaining transactions and revenue are classified as unpaid in-lane, which includes PBP and a small portion of non-revenue transactions. PBP transactions and revenues are estimated monthly based on a FY 2023 accrual rate of 50 percent of all unpaid inlane transactions. This means that the PBP transactions and revenue shown here are estimates of the levels that will eventually pay tolls through the PBP process. It is important to note that the data presented in the following two figures is based on unaudited transaction and toll revenue data and may not match the audited data shown in other tables and figures in this chapter.

As shown in Figure 6-9, overall, ETC accounted for 86.6 percent of total transactions on the facility. PBP accounted for 12.0 percent of total transactions on the facility. Cash accounted for 1.4 percent of total transactions on the facility. The share of toll revenues by payment method is comparable to the share of transactions, recognizing the differences in the toll paid by payment method. Overall, ETC accounted for 78.7 percent of total revenue on the facility. PBP accounted for 19.7 percent of total revenue on the facility. Cash accounted for 1.6 percent of total revenue on the facility.

Transactions

1.8%

1.6%

19.7%

86.6%

78.7%

Figure 6-9
S.R. 429 Percent Transactions and Revenue by Payment Method
FY 2023

Chapter 6

Source: Unaudited transaction data provided by CFX

As shown in Figure 6-10, ETC transactions on S.R. 429 ranged from a low of 3.0 million in October 2022 (due to toll suspensions during Hurricane Ian) to a high of 6.7 million in March 2023. The PBP transactions ranged from a low of 0.4 million to a high of nearly 0.9 million. Cash transactions ranged from a low of approximately 55 thousand to a high of over 0.1 million.

As shown in Figure 6-11, ETC revenue on S.R. 429 ranged from a low of \$3.9 million in October 2022 to a high of \$8.5 million in March 2023. The PBP revenue ranged from a low of \$0.9 million to a high of \$2.0 million. Cash revenue ranged from a low of \$0.1 million to a high of \$0.2 million.

The differences in revenue performance by payment method is explained by differences in the toll rates. ETC customers pay the preferred toll rate; cash customers pay at least 10 percent higher rate than ETC rate; and PBP customers pay twice the ETC rate.

Figure 6-10
S.R. 429 Monthly Transactions by Payment Method
FY 2023

Source: Unaudited transaction data provided by CFX

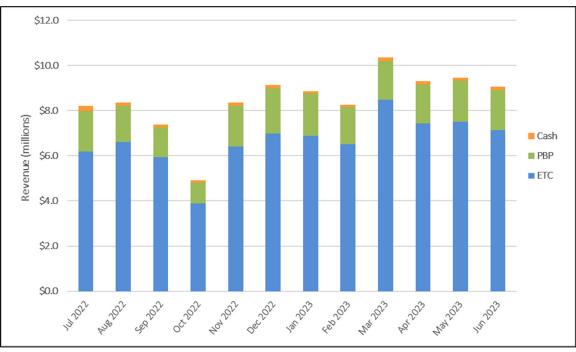


Figure 6-11 S.R. 429 Monthly Revenue by Payment Method FY 2023

Source: Unaudited toll revenue data provided by CFX

6.3 Forecasted Transactions and Toll Revenues

The forecasts of T&R are based on several assumptions about the future, including assumptions about future toll rates. Based on the CFX "Customer First Toll Policy," toll rate adjustments (indexed tolls) were applied to the T&R forecasts every year based on the net change in CPI for the prior year with a floor of 1.5 percent. At the time of preparing the T&R estimates and this report, CDM Smith learned that the net change in CPI during CY 2023 was 4.497 percent. Based on assurances from CFX, CDM Smith used this value to index toll rates for FY 2025. CDM Smith used the floor of 1.5 percent per year every year thereafter in the forecast period.

In addition to the Wekiva Parkway, future transportation improvements that could influence the T&R forecasts for S.R. 429 include the projects listed in **Table 6-6**. Completion of these projects was assumed in each model horizon year. Several important growth areas in the Orlando metropolitan areas are along S.R. 429. Developments in Horizon West area of West Orange County are actively constructing, specifically near the Schofield Road and New Independence Parkway Interchanges. Growth in this part of Orange County is reflected in the T&R forecast for the Independence Main Plaza Group. CFX System improvements including the Wekiva Parkway have improved access and the potential for growth in NW Orange County. The growth potential is also demonstrated by the planned improvements to the CFX System including S.R. 429 from S.R. 50 to S.R. 414 and C.R. 535 to S.R. 50, as well as a planned expansion project, the Lake Orange Connector, between S.R. 429 and U.S. 27. Planned improvements to the local street system including Plant Street, Plymouth-Sorrento Road, and Avalon Road, serve as feeder roads to S.R. 429 and positively impact T&R in the long-term forecasts.

Transaction and toll revenue forecasts for S.R. 429 are summarized in **Table 6-7** and **Table 6-8**. The tables are divided into paid in-lane transactions and revenue and PBP transactions and revenue. The paid in-lane transactions and revenue include ETC and cash collection. PBP is only reported as a total on the facility.

The paid in-lane transactions on S.R. 429 are expected to grow by 3.3 percent per year through FY 2033 and then lower rates through the end of the forecast period because of the impact of continued toll rate adjustments. PBP transactions are forecasted to increase an average of 1.1 percent per year through FY 2033 and then increase through the forecast period. Total transactions on S.R. 429 are projected to increase during the forecast period from the actual of 73.4 million in FY 2023 to 135.9 million in FY 2053. The paid in-lane revenues on S.R. 429 are projected to increase over the forecast period, from the FY 2023 actual of \$81.6 million to \$215.3 million in FY 2053. PBP revenues are projected to increase from \$20.0 million in FY 2023 to \$41.7 million in FY 2053. Total revenues are projected to increase over the forecast period from the actual of \$101.6 million in FY 2023 to \$257.0 million in FY 2053. Total transactions and revenues are forecasted to increase by an average of 1.8 and 2.8 percent per year from FY 2033 to FY 2043, and 1.4 and 2.3 percent per year from FY 2043 to FY 2053, respectively.

Table 6-6 S.R. 429 - Key Transportation Improvements

Facility	From	То	Year	Jurisdiction	Improvement
Interstate 4	SR 434	Kirkman Road	2025	FDOT	Widen to 10 lanes
SR 429	SR 50	SR 414	2025	CFX	Widen to 6-Lanes
SR 429	CR 535	SR 50	2025	CFX	Widen to 6-Lanes
Wekiva Parkway	Mount Plymouth Road	Interstate 4	2025	FDOT	New 4 lane expressway
Florida's Turnpike	Minneola	Orange/Lake County Line	2025	FDOT	Widen to 8 lanes
Florida's Turnpike	US 27	Minneola	2025	FDOT	Widen to 8 lanes
Poinciana Parkway (SR 538)	Cypress Parkway	Kinney Harmon Road	2025	CFX	Widen to 4-lanes
Avalon Road (CR 545)	Hartzog Road	Seidel Road	2035	Orange County	Widen to 4 Lanes
Poinciana Parkway Ext. (SR 538)	Kinney Harmon Road	Osceola Polk Line Road (CR 532)	2035	CFX	New 4-lane Expressway
Lake Orange Connector (SR 516)	US 27	SR 429	2035	CFX	New 4 lane expressway
Osceola Polk Line Road (CR 532)	US 17/92	Lake Wilson Road	2035	Osceola Co/CFX	Widen to 4-lanes
SR 429	Schofield Road	CR 535	2035	CFX	Widen to 6-Lanes
Interstate 4	SR 429	Osceola Polk Line Road (CR 532)	2035	FDOT	Auxiliary Lanes
Old Lake Wilson Road	Osceola Polk Line Road (CR 532)	Sinclair Road	2035	Osceola County	Widen to 4-lanes
SR 414 Expressway Extension	US 441	SR 434/Forest City Road	2035	FDOT/CFX	New 4-lane expressway
Plymouth Sorrento Road	Orange County Line	Ponkan Road	2045	Orange County	Widen to 6-lanes
US 441 (SR 500)	SR 44	N of SR 46	2035	FDOT	Widen to 6-lanes
SR 44	US 441	E. of Orange Avenue	2045	FDOT	Widen to 4-lanes
SR 44	SR 44 & Orange Avenue	CR 46A	2045	FDOT	Widen to 4-lanes
Round Lake Road Ext. (A)	Wolf Branch Road	SR 44	2045	Lake County	Widen to 4-lanes
CR 437 Realignment	Oak Tree Drive	SR 46	2045	Lake County	Widen to 2-lanes
Avalon Road (CR 545)	New Independence Parkway	Tilden Road	2045	Orange County	Widen to 4 Lanes
Avalon Road (CR 545)	Porter Road	New Independence Parkway	2045	Orange County	Widen to 4 Lanes
Avalon Road (CR 545)	US 192	Hartzog Road	2045	Orange County	Widen to 6 Lanes
New Independence Parkway	Lake County Line	SR 429	2045	Orange County	New/Widen 4 Lanes
US 27	Florida Turnpike Ramps- N	South of SR 19	2045	FDOT	Widen to 6-lanes
SR 19	CR 48	CR 561	2045	FDOT	Widen to 4-lanes
SR 19	CR 455	CR 48	2045	FDOT	Widen to 4-lanes
SR 19	SR 50	CR 455	2045	FDOT	Widen to 4-lanes
CR 455/Hartle Road	Lost Lake Road	Good Hearth Boulevard	2045	Lake County	Widen to 4-lanes
CR 455/Hartle Road	Hartwood Marsh	Lost Lake	2045	Lake County	Widen to 2-lanes
CR 445 Extension	CFX Connector	Hartwood Mash	2045	Lake County	Widen to 4-lanes
CR 33	SR 50	Simon Brown Road	2045	Lake County	Widen to 4-lanes
SR 50	Hernando/Sumter County Line	SR 33/CR 33	2045	FDOT	Widen to 4-lanes.
Schofield Road	US 27	SR 429	2045	Lake County	Widen to 4 lanes

Table 6-7
S.R. 429 Plaza Groups – Transaction Projections (Millions)
FY 2024 – FY 2053

Fiscal Year		Forest Lake Main	Independence Main	Ponkan Main	Mount Plymouth Main	Paid In- Lane	РВР	Total	Percent Annual Change
2013 ^A		14.2	13.0			27.2	0.5	27.7	-
2014		16.1	14.6			30.7	0.6	31.3	13.0%
2015		18.3	16.9			35.2	0.9	36.1	15.4%
2016		21.4	19.8			41.2	1.3	42.5	17.6%
2017 ^B	<u>-</u>	23.4	22.1			45.5	1.6	47.1	10.9%
2018 ^{C,D}	Actual	24.4	23.9	3.0	0.4	51.7	2.0	53.7	14.0%
2019 ^{*E}	ĕ	25.7	25.5	4.9	1.5	57.6	5.0	62.6	16.6%
2020 ^{*F}		23.8	22.7	4.8	1.4	52.7	6.0	58.7	-6.2%
2021 ^{*G}	Ш	24.5	22.8	5.4	1.4	54.1	6.6	60.7	3.4%
2022*H	1	27.6	27.8	6.8	1.8	64.0	7.9	71.9	18.5%
2023*1	Ш	25.8	27.5	7.9	3.4	64.6	8.8	73.4	2.1%
2024		28.7	30.5	10.0	4.8	74.0	8.3	82.3	12.1%
2025		29.1	30.7	10.1	5.3	75.2	8.5	83.7	1.7%
2026		29.5	31.3	10.4	5.6	76.8	8.7	85.5	2.2%
2027		30.0	32.0	10.8	5.9	78.7	8.9	87.6	2.5%
2028		30.5	32.7	11.1	6.2	80.5	8.9	89.4	2.1%
2029		31.0	33.4	11.5	6.4	82.3	9.3	91.6	2.5%
2030		31.5	34.2	11.9	6.7	84.3	9.4	93.7	2.3%
2031		31.9	34.9	12.3	7.0	86.1	9.5	95.6	2.0%
2032		32.4	35.6	12.6	7.2	87.8	9.8	97.6	2.1%
2033		32.9	36.3	13.0	7.5	89.7	9.8	99.5	1.9%
2034		33.4	37.0	13.4	7.7	91.5	10.1	101.6	2.1%
2035		33.8	37.7	13.8	8.0	93.3	10.2	103.5	1.9%
2036		34.3	38.3	14.2	8.2	95.0	10.4	105.4	1.8%
2037	ast	34.7	39.0	14.6	8.5	96.8	10.6	107.4	1.9%
2038	Forecast	35.2 35.6	39.6 40.3	15.0 15.4	8.7 8.9	98.5	10.7	109.2	1.7%
2039	P.	36.1	40.3	15.4	9.2	100.2 102.0	10.8 11.1	111.0 113.1	1.6% 1.9%
2041		36.5	41.5	16.2	9.5	102.0	11.1	114.9	1.6%
2042		37.0	42.1	16.6	9.7	105.7	11.3	116.7	1.6%
2043		37.4	42.7	17.0	10.0	107.1	11.5	118.6	1.6%
2044		37.8	43.2	17.5	10.2	108.7	11.6	120.3	1.4%
2045		38.3	43.8	17.9	10.5	110.5	11.8	122.3	1.7%
2046		38.7	44.3	18.3	10.8	112.1	11.9	124.0	1.4%
2047		39.1	44.8	18.8	11.0	113.7	12.1	125.8	1.5%
2048		39.5	45.3	19.2	11.3	115.3	12.2	127.5	1.4%
2049		40.0	45.8	19.7	11.5	117.0	12.4	129.4	1.5%
2050		40.4	46.2	20.1	11.8	118.5	12.4	130.9	1.2%
2051		40.8	46.6	20.6	12.1	120.1	12.6	132.7	1.4%
2052		41.2	47.0	21.0	12.3	121.5	12.8	134.3	1.2%
2053		41.6	47.4	21.5	12.6	123.1	12.8	135.9	1.2%

Fiscal Year		Comp	ound Annual	Average Growt	h Rate (CAA	GR)	
2013 - 2023	6.2%	7.8%			9.0%	33.2%	10.2%
2023 - 2033	2.5%	2.8%	5.1%	8.2%	3.3%	1.1%	3.1%
2033 - 2043	1.3%	1.6%	2.7%	2.9%	1.8%	1.6%	1.8%
2043 - 2053	1.1%	1.0%	2.4%	2.3%	1.4%	1.1%	1.4%

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

Actual transaction data provided by CFX from Monthly Statistical Reports.

- B Effects from Hurricane Matthew in October 2016.
- C Ponkan Main plaza opened on July 27, 2017 and Mount Plymouth Main opened on April 1, 2018.
- D Effects from Hurricane Irma in September 2017.
- E First year of implementation of "Customer First" toll rate policy.
- F Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- ${\sf G-New\ toll\ rates\ for\ PBP\ customers,\ set\ at\ 2.0\ times\ the\ ETC\ rate.\ Continued\ effects\ of\ COVID-19\ pandemic.}$
- H Completion of I-4 Ultimate project.
- I -Effects from Hurricane Ian in September 2022.

A - Systemwide toll rate increase.

Table 6-8 S.R. 429 Plaza Groups – Toll Revenue Projections (Millions) FY 2024 – FY 2053

Fiscal Year		Forest Lake Main	Independence Main	Ponkan Main	Mount Plymouth Main	Paid In- Lane	РВР	Total	Percent Annual Change
2013 ^A		\$17.1	\$12.3			\$29.4	\$0.4	\$29.8	-
2014		\$19.5	\$14.0			\$33.5	\$0.6	\$34.1	14.4%
2015		\$22.1	\$16.8			\$38.9	\$0.8	\$39.7	16.5%
2016		\$26.0	\$20.1			\$46.0	\$1.4	\$47.4	19.4%
2017 ^B	_	\$28.4	\$23.3			\$51.7	\$2.0	\$53.7	13.2%
2018 ^{C,D}	Actual	\$29.6	\$25.8	\$2.6	\$0.3	\$58.3	\$2.5	\$60.8	13.2%
2019 ^{*E}	Ă	\$32.1	\$29.1	\$4.2	\$1.3	\$66.7	\$6.9	\$73.6	21.1%
2020*F		\$30.4	\$26.6	\$4.3	\$1.2	\$62.5	\$8.6	\$71.1	-3.4%
2021 ^{*G}		\$31.7	\$27.1	\$4.9	\$1.2	\$64.9	\$14.3	\$79.2	11.4%
2022*H		\$36.5	\$34.2	\$6.2	\$1.6	\$78.5	\$17.3	\$95.8	21.0%
2023* ¹		\$35.2	\$35.6	\$7.6	\$3.2	\$81.6	\$20.0	\$101.6	6.1%
2024		\$39.5	\$39.7	\$9.7	\$4.5	\$93.4	\$19.1	\$112.5	10.7%
2025		\$41.8	\$41.7	\$10.3	\$5.3	\$99.1	\$20.6	\$119.7	6.4%
2026		\$43.1	\$43.1	\$10.7	\$5.6	\$102.5	\$21.3	\$123.8	3.4%
2027		\$44.3	\$44.6	\$11.2	\$6.0	\$106.1	\$22.1	\$128.2	3.6%
2028		\$45.6	\$46.2	\$11.8	\$6.3	\$109.9	\$22.8	\$132.7	3.5%
2029		\$46.9	\$47.8	\$12.3	\$6.7	\$113.7	\$23.5	\$137.2	3.4%
2030		\$48.2	\$49.5	\$12.9	\$7.1	\$117.7	\$24.2	\$141.9	3.4%
2031		\$49.6	\$51.1	\$13.4	\$7.4	\$121.5	\$24.9	\$146.4	3.2%
2032		\$50.9	\$52.8	\$14.0	\$7.8	\$125.5	\$25.7	\$151.2	3.3%
2033		\$52.3	\$54.5	\$14.6	\$8.2	\$129.6	\$26.5	\$156.1	3.2%
2034		\$53.7	\$56.2	\$15.2	\$8.6	\$133.7	\$27.3	\$161.0	3.1%
2035 2036		\$55.0 \$56.4	\$57.9 \$59.6	\$15.8 \$16.4	\$8.9 \$9.3	\$137.6 \$141.7	\$28.0 \$28.7	\$165.6 \$170.4	2.9% 2.9%
2036		\$57.8	\$61.4	\$17.1	\$9.5	\$141.7	\$28.7	\$170.4	2.9%
2037	ast	\$59.3	\$63.1	\$17.7	\$10.1	\$150.2	\$30.3	\$175.4	2.9%
2039	Forecast	\$60.7	\$64.8	\$18.4	\$10.5	\$154.4	\$31.0	\$185.4	2.7%
2040	S	\$62.1	\$66.5	\$19.1	\$10.9	\$158.6	\$31.8	\$190.4	2.7%
2041		\$63.5	\$68.2	\$19.8	\$11.3	\$162.8	\$32.5	\$195.3	2.6%
2042		\$65.0	\$69.9	\$20.6	\$11.8	\$167.3	\$33.3	\$200.6	2.7%
2043		\$66.4	\$71.6	\$21.3	\$12.2	\$171.5	\$34.0	\$205.5	2.4%
2044		\$67.9	\$73.3	\$22.1	\$12.7	\$176.0	\$34.9	\$210.9	2.6%
2045		\$69.3	\$75.0	\$22.9	\$13.1	\$180.3	\$35.6	\$215.9	2.4%
2046		\$70.8	\$76.6	\$23.7	\$13.6	\$184.7	\$36.4	\$221.1	2.4%
2047		\$72.3	\$78.3	\$24.5	\$14.0	\$189.1	\$37.2	\$226.3	2.4%
2048		\$73.8	\$79.9	\$25.3	\$14.5	\$193.5	\$37.8	\$231.3	2.2%
2049		\$75.3	\$81.5	\$26.1	\$15.0	\$197.9	\$38.7	\$236.6	2.3%
2050		\$76.8	\$83.1	\$27.0	\$15.5	\$202.4	\$39.4	\$241.8	2.2%
2051		\$78.3	\$84.6	\$27.8	\$15.9	\$206.6	\$40.1	\$246.7	2.0%
2052		\$79.7	\$86.0	\$28.7	\$16.4	\$210.8	\$40.8	\$251.6	2.0%
2053		\$81.2	\$87.5	\$29.6	\$17.0	\$215.3	\$41.7	\$257.0	2.1%

Fiscal Year		Comp	ound Annual	Average Growt	h Rate (CAA	GR)	
2013 - 2023	7.5%	11.2%			10.7%	47.9%	13.0%
2023 - 2033	4.0%	4.4%	6.7%	9.9%	4.7%	2.9%	4.4%
2033 - 2043	2.4%	2.8%	3.8%	4.1%	2.8%	2.5%	2.8%
2043 - 2053	2.0%	2.0%	3.3%	3.4%	2.3%	2.1%	2.3%

*Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

Actual revenue data provided by CFX from Monthly Statistical Reports.

- A Systemwide toll rate increase.
- B Effects from Hurricane Matthew in October 2016.
- C Ponkan Main plaza opened on July 27, 2017 and Mount Plymouth Main opened on April 1, 2018.
- D Effects from Hurricane Irma in September 2017.
- ${\sf E}$ First year of implementation of "Customer First" toll rate policy.
- $F-Effects\ from\ Hurricane\ Dorian\ in\ September\ 2019\ and\ first\ effects\ of\ COVID-19\ pandemic\ began\ in\ March\ 2020.$
- G New toll rates for PBP customers, set at 2.0 times the ETC rate. Continued effects of COVID-19 pandemic.
- H Completion of I-4 Ultimate project.
- I-Effects from Hurricane Ian in September 2022.



S.R. 414 John Land Apopka Expressway



S.R. 414 (JOHN LAND APOPKA EXPRESSWAY)

7.1 Facility Description

S.R. 414, also known as the John Land Apopka Expressway, is a 9-mile expressway that extends east from S.R. 429 to Maitland Boulevard east of U.S. 441 (N. Orange Blossom Trail). Three of these

miles are part of a dual route with S.R. 429. This expressway provides improved access between S.R. 429, I-4, and employment centers such as Maitland Center office park. When constructed in 2019, S.R. 414 provided congestion relief on U.S. 441 and many local roads in the greater Apopka area. Tolling on S.R. 414 consists of the Coral Hills Main plaza group, which has two pairs of ramp toll plazas at the Keene Road and the Hiawassee Road interchanges. Other existing interchanges include S.R. 429, Marden Road, S.R. 451, and U.S. 441/Orange Blossom Trail. A map of S.R. 414 including the FY 2023 CFX toll rates for the mainline and ramp toll plazas is shown in **Figure 7-1**.



CFX began construction on the original section of the S.R. 414 between Maitland Boulevard and S.R. 429 in January 2007. CFX was able to partially open the new expressway to electronic toll collection customers from S.R. 429 to Hiawassee Road on February 14, 2009, because construction was ahead of schedule. The entire length of was opened to traffic on May 15, 2009, earlier than originally scheduled.

In June 2010, construction began on a new interchange between S.R. 414 and S.R. 429 and an extension of S.R. 429/S.R. 414 northwest to U.S. 441 near Plymouth Sorrento Road to accommodate the new Wekiva Parkway. This interchange, completed in October 2012, improved traffic flow between S.R. 429 and S.R. 414, accommodated future growth in west Orange County and provided improved access to I-4 and attractions. The extension of S.R. 429/S.R. 414 to U.S. 441 near Plymouth Sorrento Road opened in January 2013. This expressway featured sections with up to six travel lanes (three in each direction) and a new connector road that allowed access between S.R. 429 and U.S. 441 near Plymouth Sorrento Road. In addition, the former section of S.R. 429 from north of S.R. 414 to U.S. 441 was designated S.R. 451.

In June 2017, a partial interchange opened on S.R. 414 at Marden Road, which allowed traffic traveling west on S.R. 414 to exit at Marden Road while traffic on Marden Road can enter on to eastbound S.R. 414. This interchange provides additional local access from S.R. 414, specifically to the new Florida Hospital Apopka and nearby land developments.

In July 2023, CFX started designing an expressway extension of S.R. 414 between US 441 and I-4. This 2.8-mile project will provide a direct connection between S.R. 414 Expressway and I-4 on an elevated 4-lane expressway down the median of Maitland Boulevard. The Design phase is anticipated to be completed in early 2026.

N. Orange Blossom Tr. -Barrier Toll Location Existing CFX System Ramp Toll Location E-PASS Toll Rate (2-axle) Cash Toll Rate (2-axle) PBP Toll Rate (2-axle) \$0.50 \$0.64 LEGEND Hiawassee Rd. \$0.00 \$0.00 \$0.00 E. Keene Rd. \$1.50 \$2.46 W. Orange Blossom Tr. Coral Hills Main Marden Rd. 151 451 E. Keene Rd. Tol. Plymouth-Sorrento Rd. 704 414 704 429

Figure 7-1 S.R. 414 Facilities and FY 2023 Toll Rates

7.2 Historical Transactions and Toll Revenues

As defined in Chapter 1, CFX transactions and toll revenues are classified as either paid in-lane (ETC and cash) or unpaid in-lane (PBP and non-revenue). Total transactions are the sum of paid in-lane and unpaid in-lane transactions. Total revenue is the sum of paid in-lane revenue and the revenue collected through PBP, estimated as an accrued amount. The following section includes a breakdown of transactions and revenues by paid in-lane and PBP.

7.2.1 ANNUAL PAID IN-LANE TRANSACTION AND REVENUE TRENDS

The annual paid in-lane transactions for the Coral Hills Main plaza group through FY 2023 is presented in the top half of **Table 7-1**. Annual historical paid in-lane toll revenues are summarized and totaled in the bottom half of the table. The facility data and annual growth are also presented visually in **Figure 7-2** and **Figure 7-3**. These historical tables do not include PBP transactions and revenues, only those that are paid in-lane. For this reason, the information presented in this section may differ slightly from the data presented in the FY 2023 Comprehensive Annual Financial Report (CAFR) and other information in this report.

FY 2012 began a four-year period of extraordinary growth for the entire CFX System after the Great Recession. This growth is likely the result of facility ramp-up and local development. From FY 2012 to FY 2016, S.R. 414 experienced double-digit annual growth in both paid in-lane transactions and revenues. Over the four-year period, paid in-lane transactions increased by over 65 percent, while revenues more than doubled. Despite the systemwide toll rate adjustment in FY 2013, transactions and revenues still had double digit growth.

In October 2016 (FY 2017), Hurricane Matthew tracked parallel to the Florida east coast as a Category 3 storm with winds up to 130 miles per hour. Tolls were suspended on the CFX System beginning at 8:00 p.m. on October 5, 2016 through early on October 10, 2016. The toll suspension resulted in a loss of approximately 0.1 million in transactions and \$0.1 million in toll revenues on S.R. 414. In September 2017 (FY 2018), Hurricane Irma tracked parallel to the Florida coast as a Category 4 storm with winds up to 155 miles per hour. Tolls were suspended on CFX toll facilities beginning on September 5, 2017 through September 20, 2017 resulting in a transaction loss of approximately 0.6 million and a revenue loss of \$0.6 million on S.R. 414. The negative impacts of these storms were largely offset by the significant growth experienced on the S.R. 414 during this period.

Total paid in-lane transactions on S.R. 414 in FY 2019 increased by 0.5 million transactions, or 3.7 percent, over FY 2018. Paid in-lane toll revenues increased by \$0.8 million, or 5.8 percent, in the same year. The slower growth in transactions and revenues in FY 2019 can be attributed in part to the increase in customers utilizing the PBP program after the shift of SunPass® transaction processing to the state's CCSS. It should be noted that S.R. 429 PBP transactions nearly doubled in FY 2019, from 0.7 million to 1.3 million.

Table 7-1
S.R. 414 Plaza Group – Historical Paid In-Lane Transactions and Revenue
FY 2013 – FY 2023

Fiscal Year	Coral Hi	lle Main
	TRANSACTIONS (millions)	PERCENT CHANGE
2013 ^A	8.3	
2014	9.5	14.5%
2015	10.6	11.6%
2016	12.0	13.2%
2017 ^B	12.8	6.7%
2018 ^c	13.4	4.7%
2019 *	13.9	3.7%
2020 *,D	13.1	-5.8%
2021 *,E	13.4	2.3%
2022*	15.2	13.4%
2023 ^{*,F}	14.1	-7.2%
	TOLL REVENUE (millions)	PERCENT CHANGE
2013 ^A	\$7.7	
2014	\$9.1	18.2%
2015	\$10.4	14.3%
2016	\$12.0	15.4%
2017 ^B	\$13.0	8.3%
2018 ^c	\$13.8	6.2%
2019 *	\$14.6	5.8%
2020 *,D	\$14.1	-3.4%
2021 *,E	\$14.8	1.4%
2022*	\$17.3	16.9%
2023 ^{*,F}	\$16.7	-3.5%

*Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

 $\hbox{A-Systemwide toll rate increase in July 2013. Implementation of cash and electronic toll rate differential.}\\$

Extension of S.R. 414 to U.S. 441 opened in January 2013.

- B Effects from Hurricane Matthew in October 2016. Marden Rd. interchange opened in June 2017.
- C Effects from Hurricane Irma in September 2017.
- D Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- ${\sf E}$ Continued effects of COVID-19 pandemic.
- F Effects from Hurricane Ian in September and October 2022.

FY 2020 total paid in-lane transactions on S.R. 414 decreased by 0.8 million, or 5.8 percent, compared to FY 2019. Paid in-lane revenues experienced a decline of 3.4 percent during the same period. FY 2020 transactions and revenues were negatively impacted by the effects of the COVID-19 pandemic beginning in March 2020. Because the fiscal year begins in July, FY 2020 only included four months of the impacts of the COVID-19 pandemic. Thus, although April 2020 (FY 2020) contained the deepest impacts of the COVID-19 pandemic, additional impacts also occurred during the early months of FY 2021, which included a full year of travel reductions and the initial recovery. CFX temporarily suspended cash toll collections and shifted to PBP from March 19, 2020 to May 31, 2020 to reduce the potential exposure of both drivers and employees to the COVID-19 virus. Cash toll collections resumed on June 1, 2020. September 2019 transactions and revenues were also negatively impacted by toll suspensions during Hurricane Dorian. Tolls were suspended on

CFX toll facilities beginning on September 1, 2019 through September 5, 2019 resulting in a transaction loss of approximately 0.2 million and a toll revenue loss of \$0.2 million on S.R. 414.

FY 2021 paid in-lane transactions increased by 0.3 million, or 2.3 percent, compared to FY 2020. Paid in-lane revenues experienced an increase of 5.0 percent during the same period. FY 2021 transactions and revenues were negatively impacted by the on-going recovery from the COVID-19 pandemic and the FY 2021 toll rate adjustment.

FY 2022 paid in-lane transactions increased by 1.8 million, or 13.4 percent, compared to FY 2021. Paid in-lane revenues experienced an increase of 16.9 percent during the same period. The increases in both transactions and revenue reflects the general recovery from the negative impacts of the COVID-19 pandemic. The FY 2022 toll rate adjustment was another factor in the increase in revenue.

In FY 2023, S.R. 414 total paid in-lane transactions decreased by 7.2 percent and paid in-lane revenues decreased by 3.5 percent compared to FY 2022. September and October 2022 transactions and revenues were negatively impacted by toll suspensions during Hurricane Ian. Tolls were suspended on CFX toll facilities beginning at 5:00 PM on September 27, 2022 through 6:00 AM on October 15, 2022 (over 17 days) resulting in a transaction loss of approximately 0.8 million and a toll revenue loss of \$1.0 million on S.R. 414.

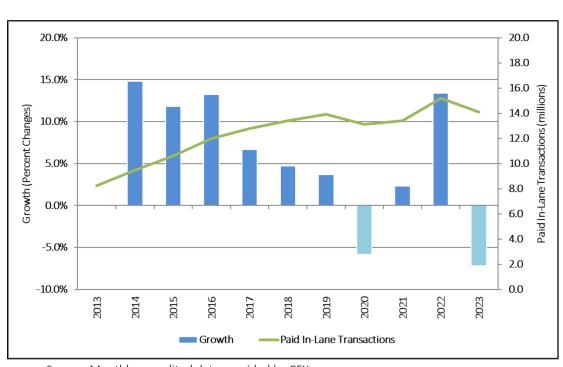


Figure 7-2 S.R. 414 Historical Paid In-Lane Transactions and Annual Growth FY 2013 – FY 2023

Source: Monthly unaudited data provided by CFX

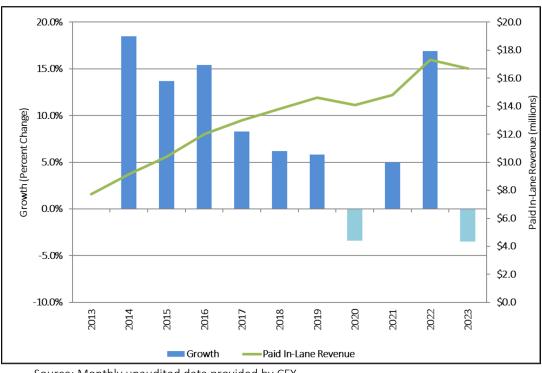


Figure 7-3 S.R. 414 Historical Paid In-Lane Revenue and Annual Growth FY 2013 - FY 2023

7.2.2 ANNUAL PBP TRANSACTION AND REVENUE TRENDS

A history of annual PBP transactions and toll revenues on S.R. 414 from FY 2013 to FY 2023 is presented in Table 7-2. PBP transactions and toll revenues are recorded by toll location and accrued monthly by plaza group, however Table 7-2 shows the annual totals for S.R. 414 as reported at year end.

PBP transactions have increased from 0.1 million in FY 2013 to 1.9 million in FY 2023, while PBP revenues have increased from \$0.1 million to \$3.8 million over the same period. This increase may have been supported, in part, by the switch of SunPass® processing to the CCSS in FY 2019, as previously noted. During the early part of the COVID-19 pandemic, cash toll collection was suspended for several months. For this reason, PBP transactions and revenue increased year-overyear in FY 2020 and in FY 2021. The significant increase in PBP revenues in FY 2021 can also be attributed to the new PBP toll rate adopted by the CFX Board that went into effect on July 1, 2020 (FY 2021). At that time, the PBP toll rate at all toll locations was increased to twice the ETC toll rate, reflecting the cost to collect PBP tolls. Because of the new PBP toll rate, it was anticipated that going forward a portion of customers paying via PBP will switch to ETC to avoid the higher toll rate. In FY 2023, PBP transactions decreased by 3.1 percent and PBP revenues stayed the same as FY 2022. Slower growth in FY 2023 PBP transactions could be the beginning of this trend, but it's difficult to determine due to the negative impacts of Hurricane Ian.

Table 7-2 S.R. 414 – Historical PBP Transactions and Revenue FY 2013 – FY 2023

Fiscal Year	Transactions (millions)	Percent Change	Toll Revenues (millions)	Percent Change
2013	0.1	-	\$0.1	-
2014	0.2	100.0%	\$0.2	100.0%
2015	0.3	50.0%	\$0.3	50.0%
2016	0.4	33.3%	\$0.4	33.3%
2017	0.4	0.0%	\$0.6	50.0%
2018	0.7	75.0%	\$0.7	16.7%
2019	1.3	85.7%	\$1.5	114.3%
2020	1.6	23.1%	\$1.9	26.7%
2021	1.7	6.2%	\$3.3	73.7%
2022	2.0	15.3%	\$3.8	15.2%
2023	1.9	-3.1%	\$3.8	0.0%

7.2.3 MONTHLY PAID IN-LANE TRANSACTION SEASONAL VARIATION

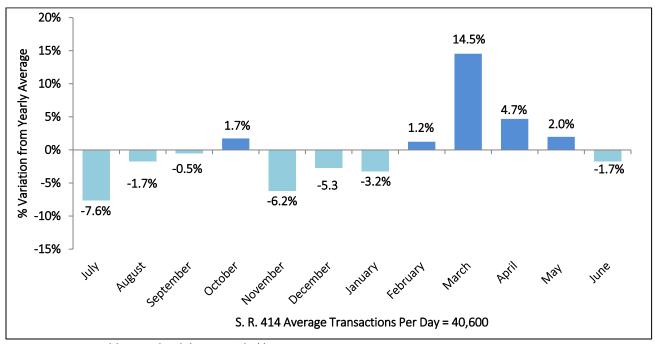
In **Table 7-3**, monthly paid in-lane transactions are normalized to the average number of paid in-lane transactions per day. Considering the average number of paid in-lane transactions per day allows for an easy comparison of the variations in relative travel demand over the year. The pattern of seasonal usage changes slightly from year to year, based on the number of weekdays in each month. Due to the toll suspensions during Hurricane Ian, September average daily transactions were adjusted to only include 27 days of toll collection during the month and October was adjusted to only 17 days of toll collection to normalize the data.

Average number of paid in-lane transactions per day in FY 2023 on S.R. 414 ranged from a low of 37,500 in July 2022 to a high of 46,500 in March 2023. March is typically the month with the highest average number of transactions per day due to the large number of tourists and seasonal residents in the area during the spring, but this fiscal year the March numbers were significantly higher than normal. These data are presented in a graphical format in **Figure 7-4**. The paid in-lane transactions for each month appear as a percentage of the average for the fiscal year. March paid in-lane transactions were 14.5 percent above average and July paid in-lane transactions were 7.6 percent below average for the facility.

Table 7-3
S.R. 414 – Monthly Seasonal Variation in Paid In-Lane Transactions
FY 2023

Month	Number of Days in Month	Paid In-Lane Transactions	Average Transactions/Day	Seasonal Factor
July	31	1,161,204	37,500	0.924
August	31	1,237,228	39,900	0.983
September	27	1,089,845	40,400	0.995
October	17	702,505	41,300	1.017
November	30	1,143,057	38,100	0.938
December	31	1,223,931	39,500	0.973
January	31	1,217,285	39,300	0.968
February	28	1,149,836	41,100	1.012
March	31	1,440,464	46,500	1.145
April	30	1,274,384	42,500	1.047
May	31	1,284,736	41,400	1.020
June	30	1,198,255	39,900	0.983
Average		1,176,894	40,600	1.000
Total Year	348	14,122,730		

Figure 7-4
S.R. 414 Variation in Paid In-Lane Transactions Per Day, by Month
FY 2023



Source: Monthly unaudited data provided by CFX

7.2.4 PAID IN-LANE TRANSACTIONS BY VEHICLE CLASS

The distribution of paid in-lane mainline transactions at the Coral Hills mainline plaza by vehicle class (number of axles) for FY 2023 is shown in **Table 7-4**. Overall, 94.2 percent of mainline transactions on S.R. 414 were made by 2-axle vehicles, which is expected from a commuter-heavy facility. The next most frequent vehicle class was the 3-axle classification, which accounted for 2.3 percent of mainline transactions on the facility. Five or more-axle vehicles accounted for 1.8 percent. Four-axle vehicles represented the smallest category with only 1.7 percent of mainline transactions.

Table 7-4
S.R. 414 Percent of Paid In-Lane Transactions by Vehicle Class
FY 2023

Vehicle Class	Coral Hills Main	S.R. 414 Total
2-Axle	94.2%	94.2%
3-Axle	2.3%	2.3%
4-Axle	1.7%	1.7%
5 or More Axles	1.8%	1.8%
Total	100.0%	100.0%

Source: Unaudited lane transaction data - May 2023

7.2.5 DAY-OF-WEEK TRANSACTION VARIATION

Figure 7-5 contains a comparison of transactions by day of week for FY 2023. These data are presented as an index, where the average day equals 100. An index value of 100 would indicate that a day's transactions were precisely the same as the facility average. A value of 120 indicates a day that has a 20 percent greater volume than the average. As was done in prior years, the data used for this analysis were for a typical week in May 2023. The data include transactions at the mainline plaza only (no ramps).

As shown, weekday transactions on S.R. 414 increase over the course of the week. FY 2023 transactions were highest on Thursdays, with an index value of 113.0 (13.0 percent higher than the average day), volumes on Fridays had an index value of 112.7, and volumes on Monday through Wednesday ranged from index values of 102.1 to 110.0. Transactions decline significantly on Saturdays and Sundays, which have index values of 83.4 and 69.3, or 16.6 and 30.7 percent lower than the average day also consistent with prior results. This is lower than other CFX facilities probably due to employers in Maitland Center at the east end of S.R. 414 being closed on weekends.

140 120 100 80 60 113.0 112.7 109.5 110.0 102.1 83.4 40 69.3 20 0 Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Figure 7-5
S.R. 414 Variation in Transactions, by Day of Week
FY 2023

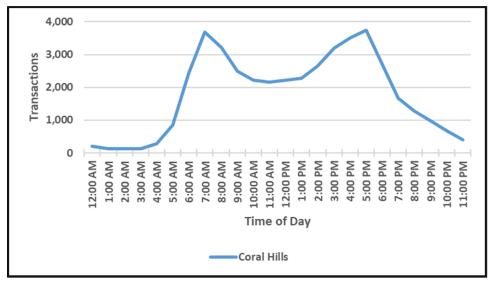
Source: Unaudited lane transaction data – May 2023

7.2.6 HOURLY TRAFFIC DISTRIBUTION

The hourly distribution of traffic volumes includes information on the usage characteristics of travel on the facility. The hourly distributions represent counts taken during a typical week at the mainline plaza in the month of May. The typical weekday hourly distribution is shown in **Figure 7-6** and the weekend hourly distribution is shown in **Figure 7-7**. The figures contain the sum of traffic volumes in both directions.

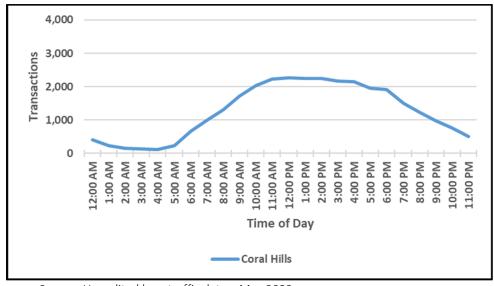
On weekdays, travel demand at the Coral Hills plaza is bimodal, with both morning and evening peak hours, typical of a commuter facility. Traffic volumes in the evening peak hours are only slightly higher than in the morning peak hours. The highest peak hour volumes during the week were 3,700 per hour beginning at 5:00 P.M. On weekends, traffic volumes are lower and unimodal in shape. There is no clear morning or evening peak periods, indicating that many customers use the facility for non-work trip purposes during the middle of the weekend day. This weekend pattern is typical of the weekend usage of other CFX facilities.

Figure 7-6 S.R. 414 Hourly Two-Way Traffic Variation (Weekday) FY 2023 (May)



Source: Unaudited lane traffic data - May 2023

Figure 7-7 S.R. 414 Hourly Two-Way Traffic Variation (Weekend) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

7.2.7 TRANSACTIONS AND REVENUE BY PAYMENT METHOD

The percentage and distributions of transactions and revenue by payment method for the overall year and by month during FY 2023 are presented in Figure 7-8, Figure 7-9, and Figure 7-10. Customers pay tolls in one of three ways: cash, ETC, and PBP. As defined in Chapter 1 of this report, paid in-lane transactions and revenue include cash and ETC payments made when a customer travels through a CFX toll location. The remaining transactions and revenue are classified as unpaid in-lane, which includes PBP and a small portion of non-revenue transactions. PBP transactions and revenues are estimated monthly based on a FY 2023 accrual rate of 50 percent of all unpaid in-lane transactions. This means that the PBP transactions and revenue shown here are estimates of the levels that will eventually pay tolls through the PBP process. It is important to note that the data presented in the following two figures is based on unaudited transaction and toll revenue data and may not match the audited data shown in other tables and figures in this chapter.

As shown in Figure 7-8, overall, ETC accounted for 85.9 percent of total transactions on the facility. Overall, PBP accounted for 11.7 percent of total transactions and cash accounted for 2.4 percent of total transactions on the facility. The share of toll revenues by payment method is comparable to the share of transactions, recognizing the differences in the toll paid by payment method. Overall, ETC accounted for 79.3 percent of total revenue on the facility. PBP accounted for 18.7 percent of total revenue and cash accounted for 2.0 percent of total revenue on the facility.

Transactions

2.4%

11.7%

85.9%

Revenue

2.0%

18.7%

79.3%

Transactions

2.4%

18.7%

PBP © Cash

Figure 7-8
S.R. 414 Percent Transactions and Revenue by Payment Method
FY 2023

Source: Monthly unaudited transaction data provided by CFX

As shown in Figure 7-9, ETC transactions on S.R. 414 ranged from a low of 0.7 million in October 2022 (due to toll suspensions during Hurricane Ian) to a high of 1.4 million in March 2023. The PBP transactions ranged from a low of 80 thousand to a high of nearly 0.2 million. Cash transactions ranged from a low of approximately 20 thousand to a high of nearly 42 thousand.

As shown in Figure 7-10, ETC revenue on S.R. 414 ranged from a low of \$0.8 million in October 2022 to a high of \$1.7 million in March 2023. The PBP revenue ranged from a low of \$0.2 million to a high of nearly \$0.4 million. Cash revenue ranged from a low of \$20 thousand to a high of \$48 thousand.

The differences in revenue performance by payment method is explained by differences in the toll rates. ETC customers pay the preferred toll rate; cash customers pay at least 10 percent higher rate than ETC rate; and PBP customers pay twice the ETC rate.

Figure 7-9
S.R. 414 Monthly Transactions by Payment Method
FY 2023

Source: Monthly unaudited data provided by CFX

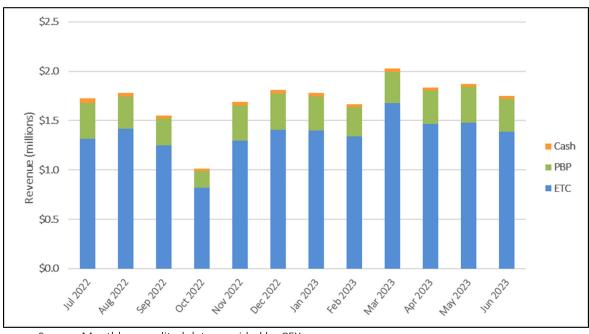


Figure 7-10
S.R. 414 Monthly Revenue by Payment Method
FY 2023

7.3 Forecasted Transactions and Toll Revenues

The forecasts of T&R are based on several assumptions about the future, including assumptions about future toll rates. Based on the CFX "Customer First Toll Policy," toll rate adjustments (indexed tolls) were applied to the T&R forecasts every year based on the net change in CPI for the prior year with a floor of 1.5 percent. At the time of preparing the T&R estimates and this report, CDM Smith learned that the net change in CPI during CY 2023 was 4.497 percent. Based on assurances from CFX, CDM Smith used this value to index toll rates for FY 2025. CDM Smith used the floor of 1.5 percent per year every year thereafter in the forecast period.

Future transportation improvements that could influence the T&R forecasts for S.R. 414, are similar to those that could influence S.R. 429 and include the projects listed in **Table 7-5**, assumed to be completed in each horizon year.

In addition to the S.R. 429/Wekiva Parkway, the major improvements that influence traffic growth on the S.R. 414 include the I-4 Ultimate project, S.R. 434/Forest City Road from Edgewater Drive to S.R. 414/Maitland Boulevard, and S.R. 414/Maitland Boulevard from Maitland Avenue to I-4. Other improvements in the area that may negatively impact revenue include the All American Boulevard Realignment and the Kennedy Boulevard Improvement, which provides much needed east-west connectivity and capacity. The impacts from the planned S.R. 414 Expressway Extension are not included in these forecasts.

Table 7-5 S.R. 414 - Key Transportation Improvements

Facility	From	То	Year	Jurisdiction	Improvement
Interstate 4	SR 434	Kirkman Road	2025	FDOT	Widen to 10 lanes
SR 434/Forest City Road	Edgewater Drive	Orange County Line	2025	FDOT	Widen to 6-lanes
SR 414/Maitland Boulevard	Interstate 4	Maitland Avenue	2025	FDOT	Widen to 6-lanes
All American Boulevard Realign	Clarcona Road	Kennedy Boulevard	2025	Orange County	New 4-lane Road
Kennedy Boulevard	Wymore Road	Forest City Road (SR 434)	2025	Orange County	Widen to 4-lanes
SR 414 Direct Connect	US 441	SR 434/Forest City Road	2025	FDOT/CFX	New 4-lane expressway
Ocoee-Apopka Road	Silver Star Road	Clarcona-Ocoee Road	2035	Orange County	Widen to 4 Lanes
SR 434	SR 436	Montgomery Road	2035	FDOT	Widen to 6-lanes
Pine Hills Rd. Ext	Beggs Road	US 441	2035	Orange County	New 4-lane road
Edgewater Drive	Clarcona Road	Pine Hills Road	2035	Orange County	Widen to 4-lanes

Historical and projected transactions and toll revenues for S.R. 414 are summarized in **Table 7-6** and **Table 7-7**. The tables are divided into paid in-lane transactions and revenue and PBP transactions and revenue. The paid in-lane transactions and revenue include ETC and cash collection.

The paid in-lane transactions on S.R. 414 are expected to grow by 2.1 percent per year through FY 2033 and then at lower rates through the end of the forecast period. PBP transactions are forecasted to remain the same per year through FY 2032, 1.0 percent growth per year through 2042, and then grow by 0.5 percent per year through the forecast period. Total transactions on S.R. 414 are projected to increase during the forecast period from the actual of 16.0 million in FY 2023 to 23.1 million in FY 2053. The paid in-lane revenues on S.R. 414 are projected to increase over the forecast period, from the FY 2023 actual of \$16.7 million to \$35.3 million in FY 2053. PBP revenues are projected to increase from \$3.8 million in FY 2023 to \$6.7 million in FY 2053. Total revenues on S.R. 414 are projected to increase during the forecast period from the actual \$20.5 million in FY 2023 to \$42.0 million in FY 2053. Total transactions and revenues are forecasted to increase an average of 1.8 and 3.3 percent per year through FY 2033, 1.1 and 2.2 percent per year from FY 2033 to FY 2043, and 0.7 and 1.7 percent per year from FY 2043 to FY 2053, respectively.

Table 7-6
S.R. 414 Plaza Group – Transaction Projections (Millions)
FY 2024 – FY 2053

Fiscal Year		Coral Hills Main	Paid In-Lane	PBP	Total	Percent Annual Change
2013 ^A		8.3	8.3	0.1	8.4	-
2014		9.5	9.5	0.2	9.7	15.5%
2015		10.6	10.6	0.3	10.9	12.4%
2016		12.0	12.0	0.4	12.4	13.8%
2017 ^B	-	12.8	12.8	0.4	13.2	6.5%
2018 ^{C,D}	Actual	13.4	13.4	0.7	14.1	6.8%
2019 ^{*E}	Ă	13.9	13.9	1.3	15.2	7.8%
2020 ^{*F}		13.1	13.1	1.6	14.7	-3.3%
2021 ^{*G}		13.4	13.4	1.7	15.1	2.7%
2022*H		15.2	15.2	2.0	17.2	13.9%
2023 ^{*I}		14.1	14.1	1.9	16.0	-7.0%
2024		15.0	15.0	1.7	16.7	4.4%
2025		15.2	15.2	1.7	16.9	1.2%
2026		15.4	15.4	1.8	17.2	1.8%
2027		15.7	15.7	1.8	17.5	1.7%
2028		16.0	16.0	1.8	17.8	1.7%
2029		16.2	16.2	1.9	18.1	1.7%
2030		16.5	16.5	1.9	18.4	1.7%
2031		16.8	16.8	1.9	18.7	1.6%
2032		17.0	17.0	1.9	18.9	1.1%
2033		17.3	17.3	1.9	19.2	1.6%
2034		17.5	17.5	2.0	19.5	1.6%
2035		17.7	17.7	2.0	19.7	1.0%
2036		17.9	17.9	2.0	19.9	1.0%
2037	ast	18.2 18.4	18.2	2.0	20.2 20.4	1.5%
2038	Forecast	18.6	18.4 18.6	2.0	20.4	1.0%
2039	Fo	18.8	18.8	2.1	20.7	1.0%
2041		19.0	19.0	2.1	21.1	1.0%
2042		19.2	19.2	2.1	21.3	0.9%
2043		19.4	19.4	2.1	21.5	0.9%
2044		19.6	19.6	2.1	21.7	0.9%
2045		19.7	19.7	2.2	21.9	0.9%
2046		19.9	19.9	2.2	22.1	0.9%
2047		20.1	20.1	2.2	22.3	0.9%
2048		20.2	20.2	2.2	22.4	0.4%
2049		20.4	20.4	2.2	22.6	0.9%
2050		20.5	20.5	2.2	22.7	0.4%
2051		20.6	20.6	2.2	22.8	0.4%
2052		20.8	20.8	2.2	23.0	0.9%
2053		20.9	20.9	2.2	23.1	0.4%

Fiscal Year	Compoun	d Annual Avera	ge Growth Rate	(CAAGR)
2013 - 2023	5.4%	5.4%	34.2%	6.7%
2023 - 2033	2.1%	2.1%	0.0%	1.8%
2033 - 2043	1.2%	1.2%	1.0%	1.1%
2043 - 2053	0.7%	0.7%	0.5%	0.7%

*Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes

Actual transaction data provided by CFX from Monthly Statistical Reports. A - Systemwide toll rate increase.

- B Effects from Hurricane Matthew in October 2016. C - Effects from Hurricane Irma in September 2017.
- D Wekiva Parkway opening in FY 2018.
- E First year of implementation of "Customer First" toll rate policy.
- F Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.
- G New toll rates for PBP customers, set at 2.0 times the ETC rate. Continued effects of COVID-19 pandemic.
- H Completion of I-4 Ultimate project.
- I Effects from Hurricane Ian in September 2022.

Table 7-7
S.R. 414 Plaza Group – Toll Revenue Projections (Millions)
FY 2024 – FY 2053

Fiscal Year		Coral Hills Main	Paid In-Lane	РВР	Total	Percent Annual Change
2013 ^A		\$7.7	\$7.7	\$0.1	\$7.8	34.5%
2014		\$9.1	\$9.1	\$0.2	\$9.3	19.2%
2015		\$10.4	\$10.4	\$0.3	\$10.7	15.1%
2016		\$12.0	\$12.0	\$0.4	\$12.4	15.9%
2017 ^B	ا ا	\$13.0	\$13.0	\$0.6	\$13.6	9.7%
2018 ^{C,D}	Actual	\$13.8	\$13.8	\$0.7	\$14.5	6.6%
2019 ^{*E}	Ă	\$14.6	\$14.6	\$1.5	\$16.1	11.0%
2020 ^{*F}		\$14.1	\$14.1	\$1.9	\$16.0	-0.6%
2021 ^{*G}		\$14.8	\$14.8	\$3.3	\$18.1	13.1%
2022 ^{*H}		\$17.3	\$17.3	\$3.8	\$21.1	16.6%
2023 ^{*I}		\$16.7	\$16.7	\$3.8	\$20.5	-2.8%
2024		\$17.9	\$17.9	\$3.6	\$21.5	4.9%
2025		\$19.0	\$19.0	\$3.9	\$22.9	6.5%
2026		\$19.5	\$19.5	\$4.0	\$23.5	2.6%
2027		\$20.1	\$20.1	\$4.1	\$24.2	3.0%
2028		\$20.7	\$20.7	\$4.2	\$24.9	2.9%
2029		\$21.3	\$21.3	\$4.3	\$25.6	2.8%
2030		\$21.9	\$21.9	\$4.4	\$26.3	2.7%
2031		\$22.5	\$22.5	\$4.5	\$27.0	2.7%
2032		\$23.1	\$23.1	\$4.7	\$27.8	3.0%
2033		\$23.7	\$23.7	\$4.8	\$28.5	2.5%
2034		\$24.4	\$24.4	\$4.9	\$29.3	2.8%
2035		\$25.0	\$25.0	\$5.0	\$30.0	2.4%
2036		\$25.6	\$25.6	\$5.1	\$30.7	2.3%
2037	st	\$26.2	\$26.2	\$5.2	\$31.4	2.3%
2038	Forecast	\$26.8	\$26.8	\$5.3	\$32.1	2.2%
2039 2040	뎐	\$27.4 \$28.0	\$27.4 \$28.0	\$5.4 \$5.5	\$32.8 \$33.5	2.2% 2.1%
2040			· ·	\$5.5 \$5.6	\$33.5	2.1%
2041		\$28.6 \$29.2	\$28.6 \$29.2	\$5.6 \$5.7	\$34.2 \$34.9	2.1%
2042		\$29.8	\$29.8	\$5.7 \$5.8	\$35.6	2.0%
2043		\$30.4	\$30.4	\$5.9	\$36.3	2.0%
2045		\$30.9	\$30.9	\$6.0	\$36.9	1.7%
2046		\$31.5	\$31.5	\$6.1	\$37.6	1.9%
2047		\$32.1	\$32.1	\$6.2	\$38.3	1.9%
2048		\$32.6	\$32.6	\$6.3	\$38.9	1.6%
2049		\$33.2	\$33.2	\$6.4	\$39.6	1.8%
2050		\$33.7	\$33.7	\$6.5	\$40.2	1.5%
2051		\$34.2	\$34.2	\$6.6	\$40.8	1.5%
2052		\$34.8	\$34.8	\$6.6	\$41.4	1.5%
2053		\$35.3	\$35.3	\$6.7	\$42.0	1.4%

Fiscal Year	Compou	nd Annual Avera	ge Growth Rate	(CAAGR)
2013 - 2023	8.0%	8.0%	43.9%	10.1%
2023 - 2033	3.6%	3.6%	2.4%	3.3%
2033 - 2043	2.3%	2.3%	1.9%	2.2%
2043 - 2053	1.7%	1.7%	1.5%	1.7%

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

Actual revenue data provided by CFX from Monthly Statistical Reports.

- A Systemwide toll rate increase.
- $\ensuremath{\mathsf{B}}$ Effects from Hurricane Matthew in October 2016.
- C Effects from Hurricane Irma in September 2017.
- D Wekiva Parkway opening in FY 2018.
- $F-Effects\ from\ Hurricane\ Dorian\ in\ September\ 2019\ and\ first\ effects\ of\ COVID-19\ pandemic\ began\ in\ March\ 2020.$
- ${\sf G-New\ toll\ rates\ for\ PBP\ customers,\ set\ at\ 2.0\ times\ the\ ETC\ rate.\ Continued\ effects\ of\ COVID-19\ pandemic.}$
- H Completion of I-4 Ultimate project.
- I Effects from Hurricane Ian in September 2022.

	FY 2023 GENERAL TRAFFIC AND EARNINGS CONSULTANT'S ANNUAL	
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S.R. 453

8.1 Facility Description

S.R. 453 is a 2.0-mile portion of the CFX System locally known as the Wekiva Parkway, which is a new 27-mile expressway that extends S.R. 429 into northwest Orange, northeast Lake, and west Seminole counties. From a CFX vision in the *Year 2000 Long Range Expressway Plan* (completed in 1983) the CFX portion of the Wekiva Parkway is fully open, with the final section opened on April 1, 2018. FDOT's 18-mile portion of the project was mostly complete with the opening of Section 7A in August of 2022. The final section, which includes the I-4 Interchange, was fully open in January 2024. This long-awaited expressway completes a portion of the Western Beltway around the Orlando metropolitan region.



S.R. 453 provides a connection from the Wekiva Parkway northwest to Mount Dora via S.R. 46 in Lake County. S.R. 453 has one mainline toll plaza, the Coronado Main plaza, which opened on April 1, 2018 (FY 2018) with no associated ramp plazas. A map that includes the CFX portion of the Wekiva Parkway (S.R. 453) with the FY 2023 toll rates for the plaza is shown in **Figure 8-1**.

S.R. 453 is a spur or extension of S.R. 429, locally known as "Mount Dora Connector," that runs 2.2 miles from the Wekiva Parkway, across the Lake County Line to connect to S.R. 46.

Similar to the Wekiva Parkway, toll collection on S.R. 453 utilizes an all-electronic toll (AET) collection system, i.e., customers are unable to pay cash on the roadway as there are no toll



booths, only toll gantries. On S.R. 453, just like the CFX portion of the Wekiva Parkway, customers either pay with E-PASS or another interoperable transponder or through the PBP video billing process. Video billing customers pay the PBP toll rate, which is twice the ETC rate per transaction and is designed to cover the administrative cost of video billing.

46 453 Coronado Main Lake Co. \$0.71 \$1.42 Orange Co. \$0.83 \$1.66 429 Mt. Plymouth Main Plaza (441) Kelly Park Rd. Ponkan \$1.76 Main Plaza **LEGEND** PBP Toll Rate \$0.00 \$0.00 (2-axle) E-PASS Toll Rate (2-axle) Barrier Plaza (441) Existing CFX System Existing FDOT System

Figure 8-1 S.R. 453 Facilities and FY 2023 Toll Rates

8.2 Historical Transactions and Toll Revenues

As defined in Chapter 1, CFX transactions and toll revenues are classified as either paid in-lane (ETC) or unpaid in-lane (PBP and non-revenue). Total transactions are the sum of the two. Total revenue is the sum of paid in-lane revenue and the revenue collected through PBP, estimated as an accrued amount. The following section includes a breakdown of transactions and revenues by paid in-lane and PBP.

8.2.1 ANNUAL PAID IN-LANE TRANSACTION AND REVENUE TRENDS

A history of the annual paid in-lane transactions for the Coronado Main plaza group through FY 2023 is presented in the top half of **Table 8-1**. Annual historical paid in-lane toll revenues are also summarized and totaled in the bottom half of the table. The facility data and annual growth are also presented visually in **Figure 8-2** and **Figure 8-3**. This table and figures do not include PBP transactions and revenues, only those that are paid in-lane. For this reason, the information presented in this section may differ slightly from the data presented in the FY 2023 Annual Comprehensive Financial Report (ACFR) and other information in this report.

Table 8-1
S.R. 453 Plaza Group – Historical Paid In-Lane Transactions and Revenue
FY 2018 – FY 2023

Fiscal						
Year	Coronado Main					
	TRANSACTIONS (millions)	PERCENT CHANGE				
2018 ^A	0.5					
2019	2.2	340.0%				
2020 ^{*,B}	2.3	4.5%				
2021 ^{*,c}	3.0	30.4%				
2022*	3.9	30.0%				
2023 ^{*,D}	4.7	20.5%				
	TOLL REVENUE (millions)	PERCENT CHANGE				
2018 ^A	\$0.3					
2019	\$1.3	333.3%				
2020 ^{*,B}	\$1.6	23.1%				
2021 ^{*,c}	\$2.1	31.3%				
2022*	\$2.9	38.1%				
2023 ^{*,D}	\$3.6	24.1%				

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

A - Coronado Main plaza opened on April 1, 2018.

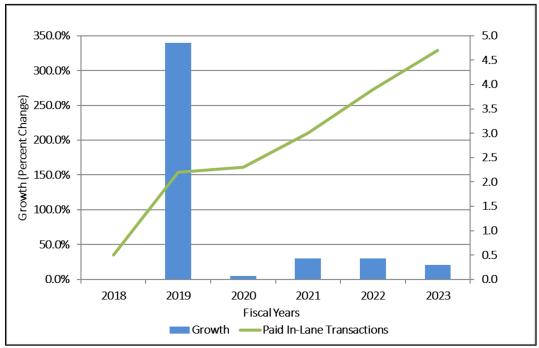
B - Effects from Hurricane Dorian in September 2019 and

first effects of COVID-19 pandemic began in March 2020.

C - Continued effects of COVID-19 pandemic.

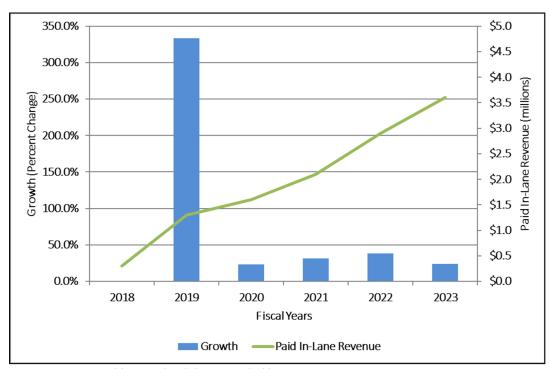
D - Effects from Hurricane Ian in September and October 2022.

Figure 8-2 S.R. 453 Historical Paid In-Lane Transactions and Annual Growth FY 2018 – FY 2023



Source: Monthly unaudited data provided by CFX

Figure 8-3
S.R. 453 Historical Paid In-Lane Revenue and Annual Growth
FY 2018 – FY 2023



S.R. 453 opened on April 1, 2018 (FY 2018), for a total of three months in FY 2018. FY 2019 was the first full year of toll collection. Total paid in-lane transactions on S.R. 453 at the Coronado Main plaza in FY 2019 were 2.2 million and paid in-lane toll revenues during the same period were \$1.3 million.

As shown, total paid in-lane transactions on S.R. 453 in FY 2020 increased by 0.1 million, or 4.5 percent, compared to FY 2019. Paid in-lane revenues experienced an increase of 23.1 percent during the same period, which can be attributed to the toll rate adjustment. This growth in FY 2020 occurred despite the negative impacts of the COVID-19 pandemic beginning in March 2020. This is likely due to ramp-up on the recently opened facility. Additionally, because the fiscal year begins in July, FY 2020 only included four months of the impacts of the COVID-19 pandemic. Thus, although April 2020 (FY 2020) contained the deepest impacts of the COVID-19 pandemic, additional impacts also occurred during the early months of FY 2021, which included a full year of travel reductions and the initial recovery. In FY 2020, September 2019 transactions and revenues were also negatively impacted by toll suspensions during Hurricane Dorian. Tolls were suspended on CFX toll facilities beginning on September 1, 2019 through September 5, 2019 resulting in a transaction loss of approximately 0.3 million and a toll revenue loss of \$0.2 million on S.R. 453.

FY 2021 paid in-lane transactions increased by 0.7 million, or 30.4 percent, compared to FY 2020. Again, despite the impacts of the COVID-19 pandemic, continued facility ramp-up served to bolster year-over-year growth. Paid in-lane revenues experienced an increase of \$0.5 million or 31.3 percent during the same period.

FY 2022 paid in-lane transactions increased by 0.9 million, or 30.0 percent, compared to FY 2021. Paid in-lane revenues experienced an increase of \$0.8 million or 38.1 percent during the same period. The increases in both transactions and revenue reflects the recovery from the negative impacts of the COVID-19 pandemic, as well as continued facility ramp-up and corridor growth. The FY 2022 toll rate adjustment was another factor in the increase in revenue.

Facility ramp-up continued in FY 2023, with S.R. 453 total paid in-lane transactions increasing by 20.5 percent and paid in-lane revenues increasing by 24.1 percent compared to FY 2022. September and October 2022 transactions and revenues were negatively impacted by toll suspensions during Hurricane Ian. Tolls were suspended on CFX toll facilities beginning at 5:00 PM on September 27, 2022 through 6:00 AM on October 15, 2022 (over 17 days) resulting in a transaction loss of approximately 0.3 million and a toll revenue loss of \$0.2 million on S.R. 453.

8.2.2 ANNUAL PBP TRANSACTION AND REVENUE TRENDS

A history of annual PBP transactions and toll revenues on S.R. 453 from FY 2018 to FY 2023 is presented in **Table 8-2**. PBP transactions and toll revenues are recorded and accrued monthly, however Table 8-2 shows the annual totals for S.R. 453 as reported at year end.

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Table 8-2 S.R. 453 – Historical PBP Transactions and Revenue FY 2018 – FY 2023

Fiscal Year	Transactions (millions)	Percent Change	Toll Revenues (millions)	Percent Change
2018	0.0		\$0.0	
2019	0.2	0.0%	\$0.2	0.0%
2020	0.3	50.0%	\$0.3	50.0%
2021	0.4	33.3%	\$0.6	100.0%
2022	0.5	25.0%	\$0.7	16.7%
2023	0.7	40.0%	\$0.9	28.6%

Source: Monthly unaudited data provided by CFX

PBP transactions have increased to 0.7 million in FY 2023, while PBP revenues have increased to \$0.9 million over the same period. The significant increase in PBP revenues in FY 2021 can be attributed to the new PBP toll rate adopted by the CFX Board that went into effect on July 1, 2020 (FY 2021). At that time, the PBP toll rate at all toll locations was increased to twice the ETC toll rate, reflecting the cost to collect PBP tolls. Because of the new PBP toll rate, it was anticipated that going forward a portion of customers paying via PBP will switch to ETC to avoid the higher toll rate. However, recent systemwide trends do not reflect this result. This may be due to customer travel frequency and/or the convenience of PBP compared to establishing a transponder account. Overall, the recent increase in customer preference for PBP has contributed to a smaller share of paid in-lane transactions and revenue, but this has also been difficult to determine with the facility still experiencing ramp-up.

8.2.3 MONTHLY PAID IN-LANE TRANSACTION SEASONAL VARIATION

In **Table 8-3**, monthly paid in-lane transactions are normalized to the average number of paid inlane transactions per day. Considering the average number of paid in-lane transactions per day allows for an easy comparison of the variations in relative travel demand over the year. The pattern of seasonal usage changes slightly from year to year, based on the number of weekdays in each month. Due to the toll suspensions during Hurricane Ian, September average daily transactions were adjusted to only include 27 days of toll collection during the month and October was adjusted to only 17 days of toll collection to normalize the data.

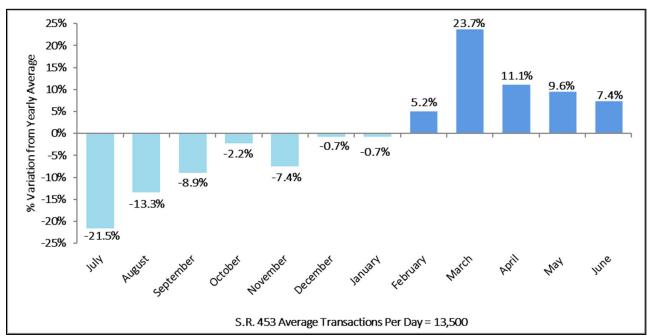
Average number of paid in-lane transactions per day in FY 2023 on S.R. 453 ranged from a low of 10,600 in July 2022 to a high of 16,700 in March 2023. These data are presented in a graphical format in **Figure 8-4**. March is typically the month with the highest average number of transactions per day due to the large number of tourists and seasonal residents in the area during the spring, but this fiscal year the March numbers were significantly higher than normal. Each month's average paid in-lane transactions per day appear as a percentage of the average for the fiscal year. March paid in-lane transactions were 23.7 percent above average and July paid in-lane transactions were 21.5 percent below average for the facility.

Table 8-3
S.R. 453 – Monthly Seasonal Variation in Paid In-Lane Transactions
FY 2023

Month	Number of Days in Month	Paid In-Lane Transactions	Average Transactions/Day	Seasonal Factor
July	31	328,757	10,600	0.785
August	31	362,281	11,700	0.867
September	27	332,667	12,300	0.911
October	17	223,635	13,200	0.978
November	30	376,011	12,500	0.926
December	31	416,020	13,400	0.993
January	31	414,189	13,400	0.993
February	28	397,744	14,200	1.052
March	31	516,675	16,700	1.237
April	30	449,383	15,000	1.111
May	31	458,737	14,800	1.096
June	30	434,762	14,500	1.074
Average		392,572	13,500	1.000
Total Year	348	4,710,861		

Source: Monthly unaudited data provided by CFX

Figure 8-4
S.R. 453 Variation in Paid In-Lane Transactions Per Day, by Month
FY 2023



8.2.4 PAID IN-LANE TRANSACTIONS BY VEHICLE CLASS

The distribution of paid in-lane mainline transactions at the Coronado mainline plaza by vehicle class (number of axles) for FY 2023 is shown in **Table 8-4**. Overall, 94.6 percent of mainline transactions on S.R. 453 were made by 2-axle vehicles, which is slightly higher than on S.R. 429. The next most frequent vehicle class was the 3-axle classification, which accounted for 2.1 percent of transactions on the facility. Five or more-axle vehicles accounted for 1.7 percent. Four-axle vehicles represented the smallest category with only 1.6 percent of facility transactions.

Table 8-4
S.R. 453 Percent of Paid In-Lane Transactions by Vehicle Class
FY 2023

Vehicle Class	Coronado Main	S.R. 453 Total
2-Axle	94.6%	94.6%
3-Axle	2.1%	2.1%
4-Axle	1.6%	1.6%
5 or More Axles	1.7%	1.7%
Total	100.0%	100.0%

Source: Unaudited lane transaction data – May 2023

8.2.5 DAY-OF-WEEK TRANSACTION VARIATION

Figure 8-5 contains a comparison of transactions by day of the week for FY 2023. These data are presented as an index, where the average day equals 100. An index value of 100 for a given day of the week would indicate that day's transactions were precisely the same volume as the facility average. A value of 120 indicates a day that has a 20 percent greater volume than the average. As was done in prior years, the data used for this analysis were for a typical week in May 2023. The data include transactions at mainline plazas only (no ramps).

As shown, daily transactions on S.R. 453 fluctuated over the course of the week. Transactions were highest on Fridays, with an index value of 113.8 (13.8 percent higher than the average day). Volumes on the remaining weekdays ranged from index values of 98.8 to 109.4. Saturday volumes were closer to early weekday volumes with an index value of 92.7. Transactions decline significantly on Sundays, with an index value of 74.4, or 25.6 percent lower than the average day.

120 100 80 Index 60 109.4 106.6 104.4 98.8 92.7 40 74.4 20 0 Friday Monday Tuesday Wednesday Thursday Saturday Sunday

Figure 8-5 S.R. 453 Variation in Transactions, by Day of Week FY 2023

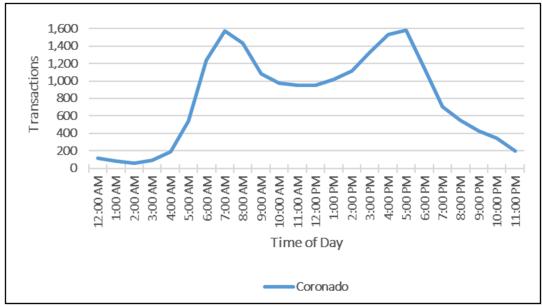
Source: Unaudited lane transaction data - May 2023

8.2.6 HOURLY TRAFFIC DISTRIBUTION

The hourly distribution of traffic volumes includes information on the usage characteristics of the facility. The hourly distributions represent counts taken during a typical week at the mainline toll plazas in the month of May. The typical weekday hourly distribution is shown in **Figure 8-6** and the hourly distribution on weekend days is shown in **Figure 8-7**. The figures contain the sum of traffic volumes in both directions.

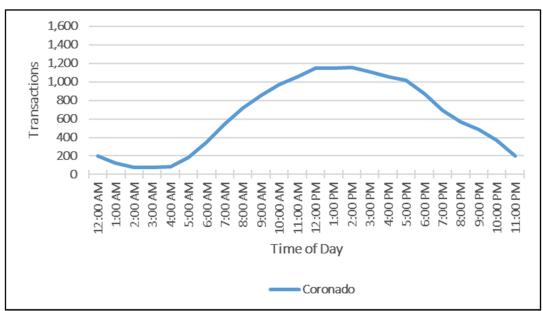
On weekdays on S.R. 453, demand for travel is bimodal, with both morning and evening peak hours. The Coronado mainline plaza experienced slightly higher peak hour volumes in the evening than in the morning, but the peak volumes in morning and evening are very close indicating a commuter-type pattern. The highest peak hour volumes during the week were 1,600 per hour beginning at 5:00 p.m. On weekends, the distribution of traffic over the day is unimodal, with uniformly high volumes from 10:00 a.m. through 5:00 p.m.

Figure 8-6 S.R. 453 Hourly Two-Way Traffic Variation (Weekday) FY 2023 (May)



Source: Unaudited lane traffic data - May 2023

Figure 8-7 S.R. 453 Hourly Two-Way Traffic Variation (Weekend) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

8.2.7 TRANSACTIONS AND REVENUE BY PAYMENT METHOD

The percentage and distributions of transactions and revenue by payment method for the overall year and by month during FY 2023 are presented in Figure 8-8, Figure 8-9, and Figure 8-10. Payment methods on S.R. 453 can be classified in one of two ways: ETC and PBP. The Coronado Main plaza is an AET facility, so there is no cash collection. PBP transactions and revenues are estimated monthly based on a FY 2023 accrual rate of 50 percent of all unpaid in-lane transactions. This means that the PBP transactions and revenue shown here are estimates of the levels that will eventually pay tolls through the PBP process. It is important to note that the data presented in the following two figures is based on unaudited transaction and toll revenue data and may not match the audited data shown in other tables and figures in this chapter.

As shown in Figure 8-8, overall, ETC accounted for 87.8 percent of total transactions on the facility. PBP accounted for the remaining 12.2 percent of total transactions on the facility. The share of toll revenues by payment type is comparable to the share of transactions, recognizing the differences in the toll paid by payment method. Overall, ETC accounted for 79.7 percent of total revenue on the facility. The PBP revenue accounted for the remaining 20.3 percent of total revenue on the facility.

The differences in revenue performance by payment method is explained by differences in the toll rates. ETC customers pay the preferred toll rate; and PBP customers pay twice the ETC rate.

Transactions

Revenue

12.2%

87.8%

79.7%

Source: Monthly unaudited transaction data provided by CFX

Figure 8-8
S.R. 453 Percent Transactions and Revenue by Payment Method
FY 2023

As shown in Figure 8-9, ETC transactions on S.R. 453 ranged from a low of 0.2 million in October 2022 (due to toll suspensions during Hurricane Ian) to a high of over 0.5 million in March 2023. The PBP transactions ranged from a low of 31 thousand to a high of nearly 64 thousand.

As shown in Figure 8-10, ETC revenue on S.R. 453 ranged from a low of \$0.2 million in October 2022 to a high of \$0.4 million in March 2023. The PBP revenue ranged from a low of \$43 thousand to a high of \$91 thousand.

0.6

0.5

(Supplified to the control of the control

Figure 8-9 S.R. 453 Monthly Transactions by Payment Method FY 2023

\$0.5 \$0.5 \$0.4 \$0.4 Revenue (millions) \$0.3 \$0.3 ■ PBP \$0.2 ■ ETC \$0.2 \$0.1 \$0.1 \$-

Figure 8-10 S.R. 453 Monthly Revenue by Payment Method FY 2023

Source: Monthly unaudited data provided by CFX

8.3 Forecasted Transactions and Toll Revenues

The forecasts of T&R are based on several assumptions about the future, including assumptions about future toll rates. Based on the CFX "Customer First Toll Policy," toll rate adjustments (indexed tolls) were applied to the T&R forecasts every year based on the net change in CPI for the prior year with a floor of 1.5 percent. At the time of preparing the T&R estimates and this report, CDM Smith learned that the net change in CPI during CY 2022 was 8.577 percent. At their June 2023 meeting, the CFX Board decided to forego the net change in CPI and implement the policy floor of 1.5 percent adjustment for FY 2024. Based on assurances from CFX, CDM Smith used this value to index toll rates for FY 2024. CDM Smith used the floor of 1.5 percent per year every year thereafter in the forecast period.

Future transportation improvements that influence the T&R forecasts for S.R. 453, are similar to those that could influence S.R. 429, which include the projects listed in Table 8-5, assumed to be completed in each forecast year. Several of the planned improvements listed in Metroplan Orlando's and Lake Sumter MPO's Long Range Transportation Plans and Orange County's 10 Year Transportation Plan provide upgrades to the transportation system in NW Orange County. Many facilities including Plymouth Sorrento Road and Round Lake Road Extension, serve as feeder roads to S.R. 453 and positively impact T&R in the near term and long-term forecasts. System improvements impacting S.R. 453 include the widening of S.R. 429 from C.R. 535 to S.R. 414 in the near term and from C.R. 535 to Seidel Road in the long-term forecast. Also, the completion of the S.R. 429/Wekiva Parkway has changed travel patterns in this area of NW Orange County and NE Lake County. In general, improvements that provide additional connectivity to S.R. 429 from the south and east will inherently benefit S.R. 453 as well.

Table 8-5 S.R. 453 - Key Transportation Improvements

Facility	From	То	Year	Jurisdiction	Improvement
Interstate 4	SR 434	Kirkman Road	2025	FDOT	Widen to 10 lanes
SR 429	SR 50	SR 414	2025	CFX	Widen to 6-Lanes+Flex
SR 429	CR 535	SR 50	2025	CFX	Widen to 6-Lanes+Flex
Wekiva Parkway	Mount Plymouth Road	Interstate 4	2025	FDOT	New 4 lane expressway
Florida's Turnpike	Minneola	Orange/Lake Co. Line	2025	FDOT	Widen to 8 lanes
Florida's Turnpike	US 27	Minneola	2025	FDOT	Widen to 8 lanes
Poinciana Parkway (SR 538)	Cypress Parkway	Kinney Harmon Road	2025	CFX	Widen to 4-lanes
Avalon Road (CR 545)	Flamingo Crossings	Porter Road	2025	Orange County	Widen to 4 Lanes
Poinciana Parkway Ext. (SR 538)	Kinney Harmon Road	CR 532	2035	CFX	New 4-lane Expressway
Lake/Orange Expressway (SR 516)	US 27	SR 429	2035	CFX	New 4 lane expressway
SR 429	Schofield Road	CR 535	2035	CFX	Widen to 6-Lanes
Interstate 4	SR 429	CR 532	2035	FDOT	Auxiliary Lanes
Old Lake Wilson Road	CR 532	Sinclair Road	2035	Osceola County	Widen to 4-lanes
SR 414 Expressway Ext	US 441	SR 434/Forest City Road	2035	FDOT/CFX	New 4-lane expressway
US 441 (SR 500)	SR 44	N of SR 46	2035	FDOT	Widen to 6-lanes
SR 44	US 441	E. of Orange Avenue	2045	FDOT	Widen to 4-lanes
SR 44	SR 44 & Orange Avenue	CR 46A	2045	FDOT	Widen to 4-lanes
Plymouth Sorrento Road	Kelly Park Road	Orange/Lake Co. Line	2045	Orange County	Widen to 4-lanes
Round Lake Rd Ext.	Wolf Branch Road	SR 44	2045	Lake County	Widen to 4-lanes
CR 437 Realignment	Oak Tree Drive	SR 46	2045	Lake County	Widen to 2-lanes
Avalon Road (CR 545)	New Independence Pkwy	Tilden Road	2045	Orange County	Widen to 4 Lanes
Avalon Road (CR 545)	Porter Road	New Independence Pkwy	2045	Orange County	Widen to 4 Lanes
Avalon Road (CR 545)	US 192	Flamingo Crossings	2045	Orange County	Widen to 6 Lanes
New Independence Pkwy	Lake County Line	SR 429	2045	Orange County	New/Widen 4 Lanes
US 27	FL Turnpike Ramps- N	South of SR 19	2045	FDOT	Widen to 6-lanes
SR 19	CR 48	CR 561	2045	FDOT	Widen to 4-lanes
SR 19	CR 455	CR 48	2045	FDOT	Widen to 4-lanes
SR 19	SR 50	CR 455	2045	FDOT	Widen to 4-lanes
CR 455/Hartle Road	Lost Lake Road	Good Hearth Boulevard	2045	Lake County	Widen to 4-lanes
CR 455/Hartle Road	Hartwood Marsh	Lost Lake	2045	Lake County	Widen to 2-lanes
CR 445 Extension	CFX Connector	Hartwood Marsh	2045	Lake County	Widen to 4-lanes
CR 33	SR 50	Simon Brown Road	2045	Lake County	Widen to 4-lanes
SR 50	Sumter Co. Line	SR 33/CR 33	2045	FDOT	Widen to 4-lanes.
Schofield Road	US 27	SR 429	2045	Lake County	Widen to 4 lanes

The Coronado Main plaza opened on April 1, 2018 (FY 2018). Historical and projected transactions and toll revenues for S.R. 453 are summarized in **Table 8-6** and **Table 8-7**. The tables are divided into paid in-lane transactions and revenue and PBP transactions and revenue. Paid in-lane transactions and revenue include ETC, as cash collection is not an option.

The paid in-lane transactions on S.R. 453 are expected to grow by 4.5 percent per year through FY 2033 and then by lower rates through the end of the forecast period because of the impact of continued toll rate adjustments. PBP transactions are forecasted to increase 2.5 percent per year through FY 2033, 2.0 percent per year through FY 2043, and then 0.9 percent through the forecast period. Total transactions on S.R. 453 are projected to increase during the forecast period from the actual of 5.4 million in FY 2023 to 11.9 million in FY 2053. During the FY 2024 through FY 2053

forecast period, S.R. 453 total transactions are expected to increase by an average of 4.3 percent per year from FY 2023 to FY 2033 (due to ramp-up), 2.3 percent per year from FY 2033 to FY 2043 and 1.5 percent per year from FY 2043 to FY 2053. The paid in-lane revenues on S.R. 453 are projected to increase over the forecast period, from the FY 2023 actual of \$3.6 million to \$11.7 million in FY 2053. PBP revenues are projected to increase from \$0.9 million in FY 2023 to \$2.4 million in FY 2053. Total revenue on S.R. 453 is projected to increase from the actual of \$4.5 million in FY 2023 to \$14.1 million in FY 2053. Total revenue is expected to increase by an average of 5.9 percent per year from FY 2023 to FY 2033 (again due to ramp-up), 3.4 percent per year from FY 2033 to FY 2043 and 2.3 percent per year from FY 2043 to FY 2053.

Table 8-6
S.R. 453 Plaza Group – Transaction Projections (Millions)
FY 2024 – FY 2053

Fiscal Year		Coronado Main	Paid In-Lane	PBP	Total	Percent Annual Change
2013						
2014						
2015						
2016						
2017	اءِ					
2018* ^A	Actual	0.5	0.5	0.0	0.5	
2019 ^{*B}	٧	2.2	2.2	0.2	2.4	380.0%
2020 ^{*c}		2.3	2.3	0.3	2.6	8.3%
2021 ^{*D}		3.0	3.0	0.4	3.4	30.8%
2022 ^{*E}		3.9	3.9	0.5	4.4	29.4%
2022*F		4.7	4.7	0.7	5.4	22.7%
2023		5.9	5.9	0.7	6.6	22.7%
2024		6.0	6.0	0.7	6.7	1.5%
2026		6.2	6.2	0.7	6.9	3.0%
2027		6.3	6.3	0.8	7.1	2.9%
2028		6.5	6.5	0.8	7.1	2.8%
2029	ŀ	6.6	6.6	0.8	7.4	1.4%
2030		6.8	6.8	0.8	7.6	2.7%
2031		7.0	7.0	0.8	7.8	2.6%
2032		7.1	7.1	0.8	7.9	1.3%
2033		7.3	7.3	0.9	8.2	3.8%
2034		7.5	7.5	0.9	8.4	2.4%
2035		7.7	7.7	0.9	8.6	2.4%
2036		7.9	7.9	0.9	8.8	2.3%
2037	ب	8.1	8.1	0.9	9.0	2.3%
2038	Forecast	8.3	8.3	1.0	9.3	3.3%
2039	Sre	8.5	8.5	1.0	9.5	2.2%
2040	Ŀ	8.6	8.6	1.0	9.6	1.1%
2041		8.8	8.8	1.0	9.8	2.1%
2042		9.0	9.0	1.0	10.0	2.0%
2043		9.2	9.2	1.1	10.3	3.0%
2044		9.3	9.3	1.1	10.4	1.0%
2045		9.5	9.5	1.1	10.6	1.9%
2046		9.7	9.7	1.1	10.8	1.9%
2047		9.8	9.8	1.1	10.9	0.9%
2048		10.0	10.0	1.1	11.1	1.8%
2049		10.1	10.1	1.1	11.2	0.9%
2050		10.3	10.3	1.2	11.5	2.7%
2051		10.4	10.4	1.2	11.6	0.9%
2052		10.5	10.5	1.2	11.7	0.9%
2053		10.7	10.7	1.2	11.9	1.7%

Fiscal Year	Compound Annual Average Growth Rate (CAAGR)				
2018 - 2023	56.5%	56.5%		60.9%	
2023 - 2033	4.5%	4.5%	2.5%	4.3%	
2033 - 2043	2.3%	2.3%	2.0%	2.3%	
2043 - 2053	1.5%	1.5%	0.9%	1.5%	

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

 $\label{lem:condition} \mbox{Actual transaction data provided by CFX from Monthly Statistical Reports.}$

- A Coronado Main opened on April 1, 2018 (FY 2018).
- B First year of implementation of "Customer First" toll rate policy.
- $C-Effects from \ Hurricane \ Dorian \ in \ September \ 2019 \ and \ first \ effects \ of \ COVID-19 \ pandemic \ began \ in \ March \ 2020.$
- $\hbox{D-New toll rates for PBP customers, set at 2.0 times the ETC rate. Continued effects of COVID-19 pandemic.}\\$
- E Completion of I-4 Ultimate project.
- F Effects from Hurricane Ian in September 2022.

Table 8-7
S.R. 453 Plaza Group – Toll Revenue Projections (Millions)
FY 2024 – FY 2053

Fiscal Year	Coronado Main	Paid In-Lane	РВР	Total	Percent Annual Change
2013					
2014					
2015					
2016					
2017					
2018*A Strua	\$0.3	\$0.3	\$0.0	\$0.3	
2013	\$1.3	\$1.3	\$0.2	\$1.5	400.0%
2020 ^{*C}	\$1.6	\$1.6	\$0.3	\$1.9	26.7%
2021*D	\$2.1	\$2.1	\$0.6	\$2.7	42.1%
2022*E	\$2.9	\$2.9	\$0.7	\$3.6	33.3%
2023*F	\$3.6	\$3.6	\$0.9	\$4.5	25.0%
2024	\$4.5	\$4.5	\$1.0	\$5.5	22.2%
2025	\$4.9	\$4.9	\$1.1	\$6.0	9.1%
2026	\$5.1	\$5.1	\$1.1	\$6.2	3.3%
2027	\$5.3	\$5.3	\$1.2	\$6.5	4.8%
2028	\$5.5	\$5.5	\$1.2	\$6.7	3.1%
2029	\$5.7	\$5.7	\$1.3	\$7.0	4.5%
2030	\$5.9	\$5.9	\$1.3	\$7.2	2.9%
2031	\$6.1	\$6.1	\$1.3	\$7.4	2.8%
2032	\$6.3	\$6.3	\$1.4	\$7.7	4.1%
2033	\$6.6	\$6.6	\$1.4	\$8.0	3.9%
2034	\$6.8	\$6.8	\$1.5	\$8.3	3.8%
2035	\$7.1	\$7.1	\$1.5	\$8.6	3.6%
2036	\$7.3	\$7.3	\$1.6	\$8.9	3.5%
2037	\$7.6	\$7.6	\$1.6	\$9.2	3.4%
2038 5	\$7.9	\$7.9	\$1.7	\$9.6	4.3%
2039 2039 2039	\$8.1	\$8.1	\$1.8	\$9.9	3.1%
2040	\$8.4	\$8.4	\$1.8	\$10.2	3.0%
2041	\$8.6	\$8.6	\$1.9	\$10.5	2.9%
2042	\$8.9	\$8.9	\$1.9	\$10.8	2.9%
2043	\$9.2	\$9.2	\$2.0	\$11.2	3.7%
2044	\$9.4	\$9.4	\$2.0	\$11.4	1.8%
2045	\$9.7	\$9.7	\$2.1	\$11.8	3.5%
2046 2047	\$10.0	\$10.0	\$2.1	\$12.1	2.5%
2047	\$10.2 \$10.5	\$10.2	\$2.2	\$12.4 \$12.7	2.5% 2.4%
2048	\$10.5 \$10.7	\$10.5 \$10.7	\$2.2 \$2.3	\$12.7 \$13.0	2.4%
2050	\$10.7	\$10.7	\$2.3	\$13.0	2.4%
2051	\$11.0	\$11.0	\$2.3	\$13.5	2.3%
2052	\$11.5	\$11.5	\$2.4	\$13.0	2.2%
2053	\$11.7	\$11.7	\$2.4	\$13.5	1.4%

Fiscal Year	Compound Annual Average Growth Rate (CAAGR)				
2018 - 2023	64.4%	64.4%		71.9%	
2023 - 2033	6.2%	6.2%	4.5%	5.9%	
2033 - 2043	3.4%	3.4%	3.6%	3.4%	
2043 - 2053	2.4%	2.4%	1.8%	2.3%	

*Indicates systemwide toll rate increase according to Customer First Toll Policy Notes:

Actual revenue data provided by CFX from Monthly Statistical Reports.

- A Coronado Main opened on April 1, 2018 (FY 2018).
- B First year of implementation of "Customer First" toll rate policy.
- $\hbox{C--Effects from Hurricane Dorian in September 2019 and first effects of COVID-19 pandemic began in March 2020.}\\$
- D New toll rates for PBP customers, set at 2.0 times the ETC rate. Continued effects of COVID-19 pandemic.
- E Completion of I-4 Ultimate project.
- ${\sf F}$ Effects from Hurricane Ian in September 2022.

CENTRAL FLORIDA EXPRESSWAY AUTHORITY	FY 2023 GENERAL TRAFFIC AND EARNINGS CONSULTANT'S ANNUAL REPORT
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S.R. 538 (POINCIANA PARKWAY)

9.1 Facility Description

The Poinciana Parkway is a is a 7.2 mile-long, two-lane, two-way, limited access toll road extending from the Cypress Parkway in Poinciana north to an intersection with U.S. 17/92 near the Polk-Osceola County line. The Poinciana Parkway was developed by the Osceola County Expressway Authority (OCX) and opened to traffic in April of 2016. The facility has been operated by CFX for the County since opening. In 2014, the Florida Legislature required that CFX consider acquiring the Poinciana Parkway as part of the legislation (SB 230) creating and expanding the geographic base of CFX. At their December 2018 Board meeting, the CFX Board unanimously approved the acquisition of the Poinciana Parkway from Osceola

TOLL 538

County and assumed all governance, control, and maintenance of the Poinciana Parkway. FY 2020, CFX began reporting the facility as a CFX expressway. The Parkway has two mainline toll plazas, the Marigold Main and Koa Main, with no associated ramp plazas.

The Poinciana Parkway provides a critical north-south connection to US 17-92 for the residents of the Poinciana community in Osceola and Polk Counties, facilitating access to regional transportation networks, theme parks and the Orlando metropolitan area. Toll collection on the facility is AET at the Marigold Main and Koa Main toll plazas. Customers can pay the toll with either E-PASS and other interoperable transponders or by Pay by Plate (PBP) video billing. Cash payments are not accepted. A map of S.R. 538 including the FY 2023 CFX toll rates for the two mainline toll plazas is shown in **Figure 9-1**.

In September 2019, CDM Smith completed Preliminary T&R forecasts for the potential extension of the Poinciana Parkway by CFX. This study evaluated the improvement of the existing facility to four lanes, a new extension to CR 532 and assumed the toll rate policy implemented by OCX for the existing segment of Poinciana Parkway and \$0.18 per mile for the extension segment increased at 1.5 percent per year, according to the CFX Customer First Toll Policy.



The forecast considered the transactions and revenues collected since starting revenue collection in August of 2016, as well as travel demand forecasts using an updated version of the regional travel demand model, CFX Model 3.2. This model incorporated socioeconomic forecasts developed by an independent economist for Osceola County and portions of Orange County, and network updates and assumptions of road improvements.

Osceola Polk Line Rd/CR 532 Poinciana Parkway Extension, Phase 1 (Future) Reedy Creek Kinney Harmon Rd/ Ronald Reagan Pkwy Mitigation Bank Marigold Main \$2.22 \$4.44 **LEGEND** E-PASS Toll Rate \$0.00 (2-axle) PBP Toll Rate \$0.00 Koa Main (2-axle) \$0.55 \$1.10 **Existing CFX System** Future CFX System Poinciana Ramp Toll Location **Barrier Toll Location** Koa St Cypress Pkwy

Figure 9-1 S.R. 538 Facilities and FY 2023 Toll Rates

In June 2020, CFX began design on the Poinciana Parkway Extension, which has been separated into two segments. The improvements will improve traffic flow and operations. The first 1.9-mile segment includes the design of the new four-lane expressway from Kinney Harmon Road/Ronald Reagan Parkway to south of U.S. 17/92. The second 1.2-mile segment includes the design of the new four-lane expressway from south of US 17/92 to C.R. 532. Design also includes a diverging diamond interchange at U.S. 17/92, tolled ramps at C.R. 532, and bridges over the CSX railroad, Old Tampa Highway, and U.S. 17/92. Construction for both segments is expected to be let in early 2028.

In February 2021, CFX began widening the existing section of S.R. 538, as a design-build project, to add two lanes to create a divided four lane expressway from Ronald Reagan Parkway to Cypress Parkway. This 7-mile widening will improve traffic flow and operations in the area. The project includes four proposed sound walls; re-aligning the intersection with Cypress Parkway at Solivita Boulevard; building a second bridge over the Reedy Creek Mitigation Bank; building new bridges at Marigold Avenue and Koa Street; and two new ramps to and from the south at the existing interchange with Marigold Avenue. The project was opened to traffic in December 2023.

9.2 Historical Transactions and Toll Revenues

As defined in Chapter 1, CFX transactions and toll revenues are classified as either paid in-lane (ETC) or unpaid in-lane (PBP and non-revenue). Total transactions are the sum of paid in-lane and unpaid in-lane transactions. Total revenue is the sum of the two. The following section includes a breakdown of transactions and revenues by paid in-lane and PBP.

9.2.1 ANNUAL PAID IN-LANE TRANSACTION AND REVENUE TRENDS

A history of annual paid in-lane transactions at the Marigold Main and Koa Main plaza groups from FY 2020 to FY 2023 is presented in the top half of **Table 9-1**. The history of annual paid in-lane toll revenues is also summarized and totaled in the bottom half of the table. The facility data and annual growth are also presented visually in **Figure 9-2** and **Figure 9-3**. This table and figures do not include PBP transactions and revenues, only those that are paid in-lane. For this reason, the information presented in this section may differ slightly from the data presented in the FY 2023 Annual Comprehensive Financial Report (ACFR) and other information in this report.

CFX acquired S.R. 538 in December 2019 (FY 2020), for a total of seven months in FY 2020. Total paid in-lane transactions on S.R. 538 in FY 2021 were 3.9 million and paid in-lane toll revenues during the same period were \$6.6 million. FY 2020 transactions and revenues were negatively impacted by the effects of the COVID-19 pandemic beginning in March 2020. Because the fiscal year begins in July, FY 2020 only included four months of the impacts of the COVID-19 pandemic. Thus, although April 2020 (FY 2020) contained the deepest impacts of the COVID-19 pandemic, additional impacts also occurred during the early months of FY 2021, which included a full year of travel reductions and the initial recovery. In FY 2020, September 2019 transactions and revenues were also negatively impacted by toll suspensions during Hurricane Dorian. Tolls were suspended on CFX toll facilities beginning on September 1, 2019 through September 5, 2019 resulting in a transaction loss of approximately 0.3 million and a toll revenue loss of \$0.6 million on S.R. 538.

Table 9-1 S.R. 538 Plaza Groups – Historical Paid In-Lane Transactions and Revenue FY 2020 – FY 2023

Fiscal Year	Marigold Main ^A	Koa Main ^A	TOTAL	Marigold Main	Koa Main	TOTAL
	TRANSA	ACTIONS (I	millions)	PERC	ENT CHAI	NGE
2020 ^{A,B}	1.2	0.5	1.7			
2021 ^{*,c}	2.7	1.2	3.9	125.0%	140.0%	129.4%
2022*	3.3	1.5	4.8	22.2%	25.0%	23.1%
2023 ^{*,D}	3.2	1.4	4.6	-3.0%	-6.7%	-4.2%
	TOLL REVENUE (millions)			PERC	ENT CHAI	NGE
2020 ^{A,B}	\$2.5	\$0.3	\$2.8			
2021 ^{*,c}	\$5.9	\$0.7	\$6.6	136.0%	133.3%	135.7%
2022*	\$7.5	\$0.8	\$8.3	27.1%	20.7%	26.4%
2023 ^{*,D}	\$7.7	\$0.8	\$8.5	2.7%	0.0%	2.4%

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

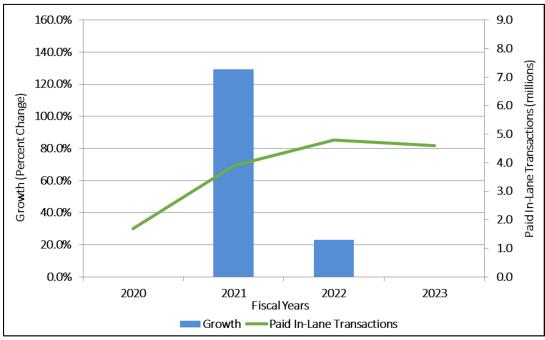
- A Acquired by CFX in December 2019 (FY 2020).
- B First effects of COVID-19 pandemic began in March 2020.
- C Continued effects of COVID-19 pandemic.
- D Effects from Hurricane Ian in September and October 2022.

FY 2022 paid in-lane transactions increased by 0.9 million, or 23.1 percent, compared to FY 2021. Paid in-lane revenues experienced an increase of 26.4 percent during the same period. The increases in both transactions and revenue reflects the recovery from the negative impacts of the COVID-19 pandemic. The FY 2022 toll rate adjustment was another factor in the increase in revenue.

In FY 2023, S.R. 538 total paid in-lane transactions decreased by 4.2 percent and paid in-lane revenues increased by 2.4 percent compared to FY 2022. September and October 2022 transactions and revenues were negatively impacted by toll suspensions during Hurricane Ian. Tolls were suspended on CFX toll facilities beginning at 5:00 PM on September 27, 2022 through 6:00 AM on October 15, 2022 (over 17 days) resulting in a transaction loss of nearly 0.3 million and a toll revenue loss of \$0.6 million on S.R. 538.

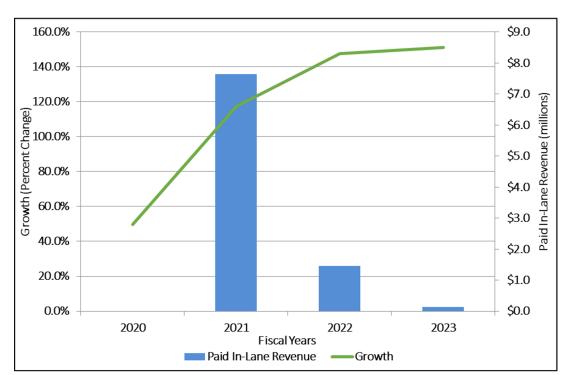
In June 2023, the CFX Board of Directors approved a resolution to waive the full implementation of the Customer First toll policy in FY 2024, which included retaining the FY 2023 toll amounts for the Marigold Main and Koa Main plazas.

Figure 9-2 S.R. 538 Historical Paid In-Lane Transactions and Annual Growth FY 2020 – FY 2023



Source: Monthly unaudited data provided by CFX

Figure 9-3 S.R. 538 Historical Paid In-Lane Revenue and Annual Growth FY 2020 – FY 2023



The share by plaza group of total S.R. 538 paid in-lane transactions and toll revenues during FY 2023 are presented in **Figure 9-4**. As shown, the Marigold Main plaza group represented 3.2 million paid in-lane transactions or 69.6 percent of total FY 2023 paid in-lane transactions. Koa Main plaza group represented 1.4 million or 30.4 percent of the total on the facility.

The annual totals and shares of paid in-lane toll revenues are similar to the results reported for annual paid in-lane transactions. The Marigold Main plaza group represented \$7.7 million in paid in-lane toll revenues or 90.6 percent of total paid in-lane toll revenues. Koa Main plaza group represented \$0.8 million, or 9.4 percent of total paid in-lane revenue on the facility. The Marigold Main plaza group represented a significantly higher amount of revenue due to the higher toll rate of \$2.22 compared to the \$0.55 toll at the Koa Main plaza group.

Transactions

30.4%
1.4M

69.6%
3.2M

Marigold

Toll Revenues

9.4%
\$0.8M

90.6%
\$7.7M

Figure 9-4
S.R. 538 Paid In-Lane Transactions and Revenue by Plaza Group
FY 2023

9.2.2 ANNUAL PBP TRANSACTION AND REVENUE TRENDS

PBP transactions and toll revenues on S.R. 538 for FY 2020 through FY 2023 are presented in **Table 9-2**. PBP transactions and toll revenues are recorded by toll location and accrued monthly by plaza group, however Table 9-2 shows the annual totals for S.R. 538 as reported at year end.

Table 9-2 S.R. 538 – Historical PBP Transactions and Revenue FY 2020 – FY 2023

Fiscal Year	Transactions (millions)	Percent Change	Toll Revenues (millions)	Percent Change
2020	0.6		\$1.0	
2021	1.0	66.7%	\$3.2	220.0%
2022	0.9	-10.0%	\$3.1	-3.1%
2023	0.8	-11.1%	\$2.9	-6.5%

Source: Monthly unaudited data provided by CFX

PBP transactions have increased from 0.6 million in 2020 to 0.8 million in FY 2023, while PBP revenues have increased from \$1.0 million to \$2.9 million over the same period. As shown in the table, the rate of growth in PBP transactions is slowing. The significant increase in PBP revenues in FY 2021 can be attributed to the new PBP toll rate adopted by the CFX Board that went into effect on July 1, 2020 (FY 2021). At that time, the PBP toll rate at all toll locations was increased to twice the ETC toll rate, reflecting the cost to collect PBP tolls. Because of the new PBP toll rate, it was anticipated that going forward a portion of customers paying via PBP will switch to ETC to avoid the higher toll rate, and this year shows negative growth in PBP transactions. Continued negative growth in FY 2023 PBP transactions could be the beginning of this trend, but it's difficult to determine due to the negative impacts of Hurricane Ian.

9.2.3 Monthly Paid In-Lane Transaction Seasonal Variation

In **Table 9-3**, monthly paid in-lane transactions are normalized to the average number of paid inlane transactions per day. Considering the average number of transactions per day allows for an easy comparison of the variations in relative travel demand over the year. The pattern of seasonal usage changes slightly from year to year, based on the number of weekdays in each month. Due to the toll suspensions during Hurricane Ian, September average daily transactions were adjusted to only include 27 days of toll collection during the month and October was adjusted to only 17 days of toll collection to normalize the data.

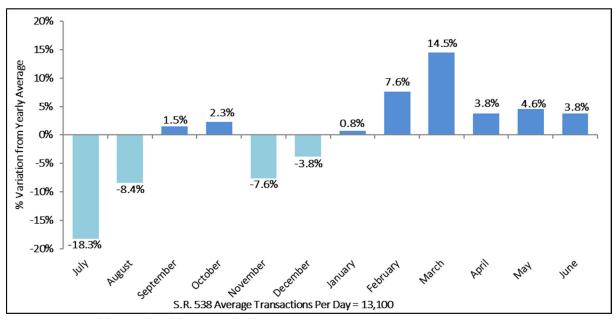
As presented, average paid in-lane transactions per day in FY 2023 on S.R. 538 ranged from a low of 10,700 in July 2022 to a high of 15,000 in March 2023. Like other CFX facilities, peak season is typically during spring months as there are more tourists in the area (possibly snowbirds) during the second half of the fiscal year, but this fiscal year the March numbers were significantly higher than normal. These data are presented in a graphical format in **Figure 9-5**. Each month's average paid in-lane transactions per day appear as a percentage of the average for the fiscal year. March paid in-lane transactions were 14.5 percent above average and July paid in-lane transactions were 18.3 percent below average for the facility.

Table 9-3 S.R. 538 – Monthly Seasonal Variation in Paid In-Lane Transactions FY 2023

Month	Number of Days in Month	Paid In-Lane Transactions	Average Transactions/Day	Seasonal Factor
July	31	330,962	10,700	0.817
August	31	372,420	12,000	0.916
September	27	358,740	13,300	1.015
October	17	227,544	13,400	1.023
November	30	361,604	12,100	0.924
December	31	391,941	12,600	0.962
January	31	407,954	13,200	1.008
February	28	394,127	14,100	1.076
March	31	465,058	15,000	1.145
April	30	408,697	13,600	1.038
May	31	425,930	13,700	1.046
June	30	407,409	13,600	1.038
Average		379,366	13,100	1.000
Total Year	348	4,552,386		

Source: Monthly unaudited data provided by CFX

Figure 9-5
S.R. 538 Variation in Paid In-Lane Transactions Per Day, by Month
FY 2023



9.2.4 PAID IN-LANE TRANSACTIONS BY VEHICLE CLASS

The distribution of paid in-lane mainline transactions at each of the mainline plazas by vehicle class (number of axles) for FY 2023 is shown in **Table 9-4**. Overall, 96.9 percent of transactions on S.R. 538 were made by 2-axle vehicles, with minor variation among the two plaza groups. The next most frequent vehicle class was the 3-axle classification, which accounted for 1.4 percent of transactions on the facility. Four-axle vehicles accounted for 1.0 percent. Five or more-axle vehicles represented the smallest category with only 0.7 percent of facility transactions. The low percentages in 4-or-more-axle vehicles are likely due to the local nature of trips on S.R. 538, with heavy trucks using alternate routes.

Table 9-4
S.R. 538 Percent of Paid In-Lane Transactions by Vehicle Class
FY 2023

Vehicle Class	Marigold Main	Koa Main	S.R. 538 Total
2-Axle	97.4%	96.0%	96.9%
3-Axle	1.3%	1.7%	1.4%
4-Axle	0.8%	1.4%	1.0%
5 or More Axles	0.5%	0.9%	0.7%
Total	100.0%	100.0%	100.0%

Source: Unaudited lane transaction data – May 2023

9.2.5 DAY-OF-WEEK TRANSACTION VARIATION

Figure 9-6 contains a comparison of transactions by day of the week for FY 2023. These data are presented as an index, where the average day equals 100. An index value of 100 for a given day of the week would indicate that day's transactions were precisely the same volume as the facility's average. A value of 120 indicates a day that has a 20 percent greater volume than the average. As was done in prior years, the data used for this analysis was for a typical week in May 2023. The data includes transactions at mainline plazas only (no ramps).

FY 2023 weekday transactions on S.R. 538 fluctuated slightly over the course of the five-day work week, between values of 103.7 and 111.0. Transactions were highest on Tuesdays and Fridays, with index values of 111.0 (11.0 percent higher than the average day). Saturday and Sunday volumes were much lower with index values of 85.9 and 72.0, respectively.

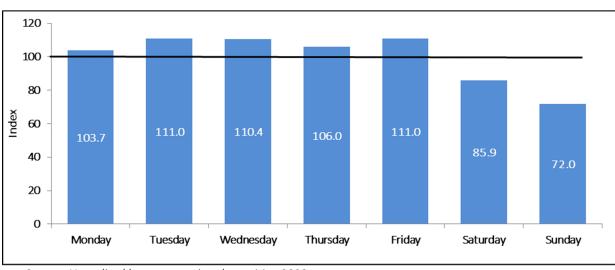


Figure 9-6
S.R. 538 Variation in Transactions, by Day of Week
FY 2023

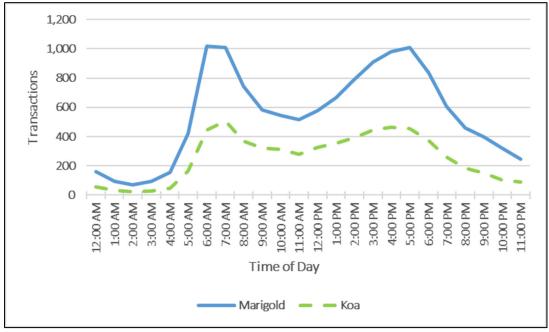
Source: Unaudited lane transaction data – May 2023

9.2.6 HOURLY TRAFFIC DISTRIBUTION

The hourly distribution of traffic volumes includes information on the usage characteristics of the facility. The hourly distributions represent counts taken during a typical week at the mainline toll plazas during the month of May. The typical weekday hourly distribution is shown in **Figure 9-7** and the hourly distribution on weekend days is shown in **Figure 9-8**. The figures contain the sum of traffic volumes in both directions.

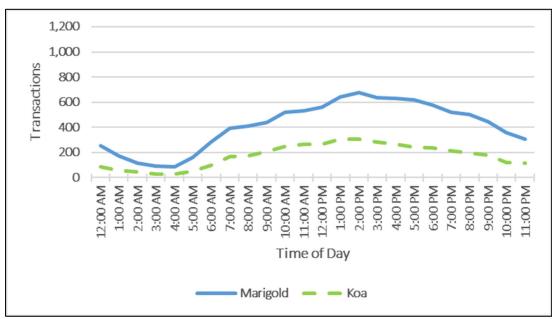
The two mainline toll plaza locations on S.R. 538 exhibit similar hourly traffic patterns. On weekdays, travel demand at both locations is bimodal, with both a two-hour morning peak and a three- to four-hour evening peak. The highest peak hour volumes during the week were 1,020 per hour beginning at 6:00 a.m. at the Marigold mainline plaza and 500 per hour beginning at 7:00 a.m. at the Koa mainline plaza. On weekends, traffic builds all day with a peak of 675 vehicles per hour at 2:00 p.m. at the Marigold mainline plaza and 300 per hour at 1:00 p.m. at the Koa mainline plaza.

Figure 9-7 S.R. 538 Hourly Two-Way Traffic Variation (Weekday) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

Figure 9-8 S.R. 538 Hourly Two-Way Traffic Variation (Weekend) FY 2023 (May)



Source: Unaudited lane traffic data – May 2023

9.2.7 TRANSACTIONS AND REVENUE BY PAYMENT METHOD

The percentage and distributions of transactions and revenue by payment method for the overall year and by month during FY 2023 are presented in Figure 9-9, Figure 9-10, and Figure 9-11. Payment methods on S.R. 538 can be classified in one of two ways: ETC and PBP. The Marigold and Koa Main plazas are both AET facilities, so there is no cash collection. PBP transactions and revenues are estimated monthly based on a FY 2023 accrual rate of 50 percent of all unpaid inlane transactions. This means that the PBP transactions and revenue shown here are estimates of the levels that will eventually pay tolls through the PBP process. It is important to note that the data presented in the following two figures is based on unaudited transaction and toll revenue data and may not match the audited data shown in other tables and figures in this chapter.

As shown in Figure 9-9, overall, ETC accounted for 84.3 percent of total transactions on the facility. PBP transactions accounted for the remaining 15.7 percent of total transactions on the facility. The share of toll revenues by payment type is comparable to the share of transactions, recognizing the differences in the toll paid by payment method. ETC accounted for 74.4 percent of total revenue on the facility and PBP accounted for the remaining 25.6 percent.

Transactions

Revenue

15.7%

84.3%

74.4%

FETC PBP

Figure 9-9
S.R. 538 Percent Transactions and Revenue by Payment Method
FY 2023

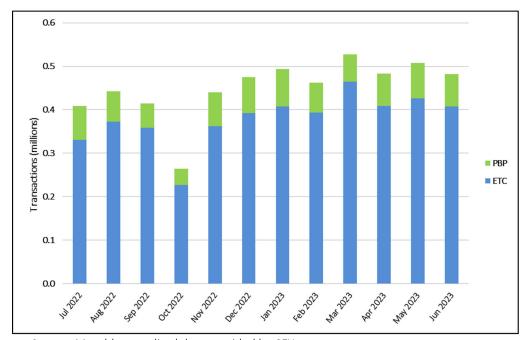
Source: Monthly unaudited data provided by CFX

As shown in Figure 9-10, ETC transactions on S.R. 538 ranged from a low of 0.2 million in October 2022 (due to toll suspensions during Hurricane Ian) to a high of 0.5 million in March of 2023. The PBP transactions ranged from a low of 37 thousand to a high of nearly 86 thousand.

As shown in Figure 9-11, ETC revenue on S.R. 538 ranged from a low of \$0.4 million in October 2022 to a high of \$0.9 million in March 2023. The PBP revenue ranged from a low of \$0.2 million to a high of \$0.3 million.

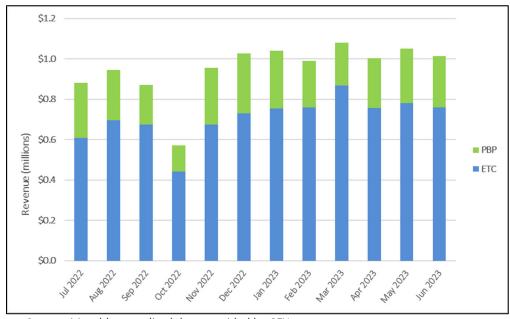
The differences in revenue performance by payment method is explained by differences in the toll rates. ETC customers pay the preferred toll rate; cash customers pay at least 10 percent higher rate than ETC rate; and PBP customers pay twice the ETC rate.

Figure 9-10 S.R. 538 Monthly Transactions by Payment Method FY 2023



Source: Monthly unaudited data provided by CFX

Figure 9-11 S.R. 538 Monthly Revenue by Payment Method FY 2023



9.3 Forecasted Transactions and Toll Revenues

The forecasts of T&R are based on several assumptions about the future, including assumptions about future toll rates. Based on the CFX "Customer First Toll Policy," toll rate adjustments (indexed tolls) were applied to the T&R forecasts every year based on the net change in CPI for the prior year with a floor of 1.5 percent. At the time of preparing the T&R estimates and this report, CDM Smith learned that the net change in CPI during CY 2023 was 4.497 percent. At their June 2023 meeting, the CFX Board decided to forego the net change in CPI on S.R. 538 and retain the FY 2023 toll amounts at the Marigold and Koa Main Plazas, with no additional increases through the end of the forecast period. CDM Smith used the floor of 1.5 percent per year every year thereafter for the Phase 1 Extension of the parkway in the forecast period.

Future transportation improvements that could influence the T&R forecasts for S.R. 538 include the projects listed in **Table 9-5**, assumed completed in each model horizon year.

Several of the planned improvements provide significant improvements to the transportation system to this area of Osceola County. Many facilities including Osceola Polk Line Road (C.R. 532), Old Lake Wilson Road, U.S. 17-92, and John Young Parkway, serve as feeder roads to S.R. 538 and positively impact T&R in the near term and long-term forecasts, while other facility improvements, such as the widening of Poinciana Boulevard, will negatively impact T&R in the near term. System improvements impacting S.R. 538 include the widening of S.R. 538 from Cypress Parkway to Kinney Harmon Road to a 4-lane expressway, the extension of the S.R. 538 to C.R. 532 and improvements to the I-4/C.R. 532 interchange in the long term. Generally, improvements that provide additional connectivity in this area of Osceola County will inherently benefit S.R. 538 as well.

Table 9-5 S.R. 538 - Key Transportation Improvements

Facility	From	То	Year	Jurisdiction	Improvement
Interstate 4	SR 434	Kirkman Road	2025	FDOT	Widen to 10 lanes
Interstate 4	Interchange @ Osceola	Polk Line Road (CR 532)	2025	Osceola Co/FDOT	Interchange Imp
Poinciana Boulevard	Pleasant Hill Road	Crescent Lakes Boulevard	2025	Osceola County	Widen to 4-lanes
US 17-92	Poinciana Boulevard	Ham Brown Road/CR 535	2025	FDOT	Widen to 4-lanes
John Young Parkway	US 192	Portage Road	2025	FDOT	Widen to 6-lanes
Osceola Polk Line Road (CR 532)	US 17/92	Lake Wilson Road	2035	Osceola Co/CFX	Widen to 4-lanes
Poinciana Pkwy (SR 538)	Cypress Pkwy	Kinney Harmon Road	2035	CFX	Widen to 4-lanes
Poinciana Pkwy. Ext. (SR 538)	Kinney Harmon Road	Osceola Polk Line Road (CR 532)	2035	CFX	New 4-lane Expressway
SR 429	1-4	Seidel Road	2035	FDOT	Widen to 8-lanes
SR 429	Schofield Road	CR 535	2035	CFX	Widen to 6-Lanes
Poinciana Pkwy. Ext. (SR 538)	Osceola Polk Line Road (CR 532)	I-4	2035	FDOT	New 4-lane Expressway
Old Lake Wilson Road	Osceola Polk Line Road (CR 532)	Sinclair Road	2035	Osceola County	Widen to 4-lanes
Interstate 4	ate 4 SR 429 Osceo		2035	FDOT	Auxiliary Lanes
Apopka-Vineland Road (SR 535)	US 192 SR 536		2035	FDOT	Widen to 6 Lanes
John Young Pkwy /US 17-92	Intersection @ Pleasant Hill Road		2035	FDOT	Intersection Imp
Vineland Road (SR 535)	US 192	Orange County Line	2045	Osceola Co/FDOT	Widen to 6 Lanes

As previously mentioned, the Poinciana Parkway was acquired by CFX in December 2019 (FY 2020). The Phase 1 Extension of SR 538 will begin construction in FY 2026 and is included in the T&R forecasts starting in FY 2030. Historical and projected transactions and toll revenues for S.R. 538 are summarized in **Table 9-6** and **Table 9-7**. The tables are divided into paid in-lane transactions and revenue and PBP transactions and revenue. Paid in-lane transactions and revenue include only ETC as cash collection is not possible.

The paid in-lane transactions on S.R. 538 are expected to grow by 10.1 percent per year through FY 2033, 1.4 percent per year through FY 2043, and then 0.7 percent per year through the end of the forecast period. PBP transactions are forecasted to increase by 10.1 percent per year through FY 2033, increase by 0.5 percent per year through FY 2043, then increase by 0.4 percent through FY 2053. Total transactions on S.R. 538 are projected to increase during the forecast period from the actual of 5.4 million in FY 2023 to 17.1 million in FY 2053. During the FY 2024 through FY 2053 forecast period, S.R. 538 total transactions are expected to increase an average of 10.1 percent per year from FY 2023 to FY 2033 (due to ramp-up, improvements, and the opening of the Phase 1 Extension in FY 2030), 1.3 percent per year from FY 2033 to FY 2043 and 0.7 percent per year from FY 2043 to FY 2053. The paid in-lane revenues on S.R. 538 are projected to increase over the forecast period, from the FY 2023 actual of \$8.5 million to \$21.2 million in FY 2053. PBP revenues are projected to increase from \$2.9 million in FY 2023 to \$6.5 million in FY 2053. Total revenue on S.R. 538 is projected to increase from the actual of \$11.4 million in FY 2023 to \$27.7 million in FY 2053. Total revenue is expected to increase an average of 7.1 percent per year from FY 2023 to FY 2033 (again due to ramp-up, improvements, and the opening of the Phase 1 Extension in FY 2030), 1.4 percent per year from FY 2033 to FY 2043 and 0.6 percent per year from FY 2043 to FY 2053.

Table 9-6 S.R. 538 Plaza Groups – Transaction Projections (Millions) FY 2024 – FY 2053

Fiscal Year		Marigold Main	Koa Main	Paid In-Lane	PBP	Total	Percent Annual Change
2013							
2014	1						
2015	1						
2016	1						
2017	ا_						
2018	Actual						
	۲						
2020 ^{A,B}		1.2	0.5	1.7	0.6	2.3	
2021 ^{*C}		2.7	1.2	3.9	1.0	4.9	113.0%
2022 ^{*D}	ļ	3.3	1.5	4.8	0.9	5.7	16.3%
2023 ^{*E}		3.2	1.4	4.6	0.8	5.4	-5.3%
2024	ſ	3.8	1.9	5.7	1.0	6.7	24.1%
2025		3.9	2.0	5.9	1.0	6.9	3.0%
2026		4.0	2.1	6.1	1.0	7.1	2.9%
2027		4.2	2.1	6.3	1.0	7.3	2.8%
2028		4.3	2.2	6.5	1.1	7.6	4.1%
2029	Ī	4.4	2.2	6.6	1.1	7.7	1.3%
2030 ^F		7.9	3.4	11.3	1.9	13.2	71.4%
2031		8.1	3.5	11.6	1.9	13.5	2.3%
2032		8.2	3.5	11.7	1.9	13.6	0.7%
2033		8.4	3.6	12.0	2.1	14.1	3.7%
2034	Ī	8.5	3.7	12.2	2.1	14.3	1.4%
2035		8.7	3.7	12.4	2.1	14.5	1.4%
2036		8.8	3.8	12.6	2.1	14.7	1.4%
2037	st	9.0	3.8	12.8	2.2	15.0	2.0%
2038	Forecast	9.1	3.9	13.0	2.2	15.2	1.3%
2039	ö	9.2	3.9	13.1	2.2	15.3	0.7%
2040	1	9.4	4.0	13.4	2.2	15.6	2.0%
2041		9.5	4.0	13.5	2.2	15.7	0.6%
2042		9.6	4.1	13.7	2.2	15.9	1.3%
2043	-	9.7	4.1	13.8	2.2	16.0	0.6%
2044		9.8	4.2	14.0	2.3	16.3	1.9%
2045		9.9	4.2	14.1	2.3	16.4	0.6%
2046		10.0	4.3	14.3	2.3	16.6	1.2%
2047 2048		10.1	4.3	14.4	2.3	16.7	0.6%
2048	-	10.1	4.3	14.4 14.6	2.3	16.7 16.9	0.0% 1.2%
2050		10.2	4.4 4.4	14.6	2.3	16.9	0.6%
2051		10.3	4.4	14.7	2.3	17.0	0.6%
2052		10.3	4.4	14.7	2.3	17.0	0.6%
2053		10.4	4.4	14.8	2.3	17.1	0.6%

Fiscal Year	Compound Annual Average Growth Rate (CAAGR)				
2023 - 2033	10.1%	9.9%	10.1%	10.1%	10.1%
2033 - 2043	1.4%	1.3%	1.4%	0.5%	1.3%
2043 - 2053	0.7%	0.7%	0.7%	0.4%	0.7%

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

 $\label{eq:cfx} \mbox{Actual transaction data provided by CFX from Monthly Statistical Reports}.$

- A The Poinciana Parkway was acquired by CFX in December 2019 (FY 2020) and is only a partial year.
- $\mbox{\ensuremath{B}}$ First effects of COVID-19 pandemic began in March 2020.
- C New toll rates for PBP customers, set at 2.0 times the ETC rate. Continued effects of COVID-19 pandemic.
- D Completion of I-4 Ultimate project.
- E Effects from Hurricane Ian in September 2022.
- F Poinciana Parkway Extension expected to open to traffic.

Table 9-7
S.R. 538 Plaza Groups – Toll Revenue Projections (Millions)
FY 2024 – FY 2053

Fiscal Year		Marigold Main	Koa Main	Paid In-Lane	PBP	Total	Percent Annual Change
2013							
2014							
2015							
2016							
2017	_						
2018	Actual						
2019	₹						
2020 ^{A,B}		\$2.5	\$0.3	\$2.8	\$1.0	\$3.8	
2021 ^{*c}		\$5.9	\$0.7	\$6.6	\$3.2	\$9.8	157.9%
2022 ^{*D}		\$7.5	\$0.8	\$8.3	\$3.1	\$11.4	16.3%
2023 ^{*E}		\$7.7	\$0.8	\$8.5	\$2.9	\$11.4	0.0%
2024	T	\$9.1	\$1.2	\$10.3	\$3.4	\$13.7	20.2%
2025		\$9.5	\$1.2	\$10.7	\$3.5	\$14.2	3.6%
2026		\$9.9	\$1.3	\$11.2	\$3.7	\$14.9	4.9%
2027		\$10.0	\$1.3	\$11.3	\$3.8	\$15.1	1.3%
2028		\$10.3	\$1.3	\$11.6	\$3.9	\$15.5	2.6%
2029	ı	\$10.5	\$1.3	\$11.8	\$3.9	\$15.7	1.3%
2030 ^F		\$14.1	\$2.0	\$16.1	\$5.3	\$21.4	36.3%
2031		\$14.4	\$2.0	\$16.4	\$5.4	\$21.8	1.9%
2032		\$14.7	\$2.0	\$16.7	\$5.5	\$22.2	1.8%
2033		\$15.0	\$2.1	\$17.1	\$5.6	\$22.7	2.3%
2034	ı	\$15.2	\$2.1	\$17.3	\$5.6	\$22.9	0.9%
2035		\$15.5	\$2.1	\$17.6	\$5.7	\$23.3	1.7%
2036		\$15.7	\$2.2	\$17.9	\$5.8	\$23.7	1.7%
2037	ょ	\$16.0	\$2.2	\$18.2	\$5.8	\$24.0	1.3%
2038	S	\$16.2	\$2.2	\$18.4	\$5.9	\$24.3	1.2%
2039	Forecast	\$16.4	\$2.3	\$18.7	\$6.0	\$24.7	1.6%
2040	۳	\$16.7	\$2.3	\$19.0	\$6.0	\$25.0	1.2%
2041		\$16.9	\$2.3	\$19.2	\$6.2	\$25.4	1.6%
2042		\$17.1	\$2.4	\$19.5	\$6.2	\$25.7	1.2%
2043		\$17.3	\$2.4	\$19.7	\$6.3	\$26.0	1.2%
2044		\$17.5	\$2.4	\$19.9	\$6.3	\$26.2	0.8%
2045		\$17.6	\$2.4	\$20.0	\$6.3	\$26.3	0.4%
2046		\$17.8	\$2.5	\$20.3	\$6.4	\$26.7	1.5%
2047		\$17.9	\$2.5	\$20.4	\$6.4	\$26.8	0.4%
2048		\$18.1	\$2.5	\$20.6	\$6.4	\$27.0	0.7%
2049		\$18.2	\$2.5	\$20.7	\$6.5	\$27.2	0.7%
2050		\$18.3	\$2.5	\$20.8	\$6.5	\$27.3	0.4%
2051		\$18.4	\$2.5	\$20.9	\$6.5	\$27.4	0.4%
2052		\$18.5	\$2.5	\$21.0	\$6.5 \$6.5	\$27.5	0.4%
2053		\$18.6	\$2.6	\$21.2	\$6.5	\$27.7	0.7%

Fiscal Year	Compound Annual Average Growth Rate (CAAGR)				
2023 - 2033	6.9%	9.5%	7.2%	6.8%	7.1%
2033 - 2043	1.4%	1.3%	1.4%	1.2%	1.4%
2043 - 2053	0.7%	0.8%	0.7%	0.3%	0.6%

^{*}Indicates systemwide toll rate increase according to Customer First Toll Policy

Notes:

Actual revenue data provided by CFX from Monthly Statistical Reports.

- A The Poinciana Parkway was acquired by CFX in December 2019 (FY 2020) and is only a partial year.
- $\mbox{\ensuremath{B}}$ First effects of COVID-19 pandemic began in March 2020.
- C New toll rates for PBP customers, set at 2.0 times the ETC rate. Continued effects of COVID-19 pandemic.
- D Completion of I-4 Ultimate project.
- E Effects from Hurricane Ian in September 2022.
- F Poinciana Parkway Extension expected to open to traffic.

	FY 2023 GENERAL TRAFFIC AND EARNINGS CONSULTANT'S ANNUAL
ENTRAL FLORIDA EXPRESSWAY AUTHORITY	Report
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Traffic ProfilesFY 2023 - FY 2053

Cross Street		FY 2023	FY 2033	FY 2043	FY 2053
	To FTE Section of S.R. 528 ▮				
Jetport Drive (FTE)		• 00 000	00.700	04.500	00.400
Boggy Creek Road		20,900	22,700	24,500	26,100
		123,000	146,200	170,600	194,200
Tradeport Drive /		9,600	10,700	11,700	12,700
Conway Road	A A	10,100	11,200	12,200	13,200
		123,500	146,700	171,100	194,700
Semoran Boulevard		62,300	69,800	77,300	80,600
		34,400	38,600	42,700	44,500
		95,600	115,500	136,500	158,600
Goldenrod Road		8,200	9,600	11,000	12,000
		9,600	11,300	12,900	14,100
		97,000	117,200	138,400	160,700
Narcoossee Road		29,000	33,300	37,600	42,200
		7,300	8,500	9,600	10,500
		75,300	92,400	110,400	129,000
S.R. 417		38,400	46,900	56,300	65,700
		33,100	40,800	48,500	56,800
Beachline Main		70,000	86,300	102,600	120,100
Innovation Way		9,100	11,700	14,300	17,300
	~ ~ ~	2,000	2,600	3,100	3,400
		62,900	77,200	91,400	106,200
Dallas Boulevard	D R	5,900	7,400	8,900	10,100
Dallas Main	<u> </u>	57,000	69,800	82,500	96,100
S.R. 520	\longrightarrow	7,800 2,400	10,000 3,900	12,100 5,400	13,800 7,000
	To FTE Section of S.R. 528	51,600	63,700	75,800	89,300

S.R. 408 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street	FY 2023	FY 2033	FY 2043	FY 2053
Turnpike Spur				
	80,100	101,000	117,400	131,000
	80,100	101,000	117,400	131,000
S.R. 50 West	11,400	12,800	14,200	15,200
	91,500	113,800	131,600	146,200
1	•	·	·	·
Good Homes Road	11,200 10,900	12,600 12,300	14,000 13,700	15,000 14,600
Noau				
Hiawassee Main	91,200	113,500	131,300	145,800
Hiawassee Road	7,200	9,000	10,400	11,600
20	12,400	14,600	15,800	16,700
	96,400	119,100	136,700	150,900
Kirkman Road	8,500	11,100	12,600	13,300
	10,500	11,800	12,800	13,600
	98,400	119,800	136,900	151,200
Pine Hills Road				
	7,600	8,900	10,200	11,200
Pine Hills Main	106,000	128,700	147,100	162,400
Old Winter				
Garden Rd	6,200	7,200	8,100	8,700
	112,200	135,900	155,200	171,100
John Young	8,100	9,000	9,900	10,700
Parkway	11,400	12,300	13,200	13,700
	115,500	139,200	158,500	174,100
Tampa Avenue	4,900	5,300	5,700	6,000
	110,600	133,900	152,800	168,100
Orange Blossom	7,100	9,300	11,400	12,100
Trail	11,600	13,500	15,400	17,100
	115,100	138,100	156,800	173,100

S.R. 408 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street		FY 2023	FY 2033	FY 2043	FY 2053
Interstate-4		33,400 82,800	39,400 90,100	41,100 97,300	42,400 100,400
Orange Avenue		11,100	15,000	18,900	22,900
		153,400	173,800	194,100	208,200
Rosalind Avenue		_ _{17,200}	18,700	20,100	21,300
		170,600	192,500	214,200	229,500
Mills Avenue		2,700	3,000	3,300	3,400
		9,600	10,400	11,100	11,500
		177,500	199,900	222,000	237,600
Bumby Avenue	A 2	17,300	20,000	22,600	24,000
		160,200	179,900	199,400	213,600
Crystal Lake Drive		_{13,600}	17,500	21,300	23,700
	Ť	173,800	197,400	220,700	237,300
Conway Road	8 2	14,500	16,800	19,000	20,500
		159,300	180,600	201,700	216,800
Andes Avenue EB Off-ramp to Andes Ave+	+Semoran Blvd	16,700	19,400	22,000	23,800
Conway Main	4	142,600	161,200	179,700	193,000
Semoran Boulevard/		14,600	16,100	17,600	18,400
Yucatan Drive	V 4	11,300	12,300	13,200	14,000
		139,300	157,400	175,300	188,600
Goldenrod Road		15,100	15,900	16,700	17,000
_		11,000	12,500	13,900	15,100
		135,200	154,000	172,500	186,700
Chickasaw Trail		12,000	13,400	14,800	15,500
	I				A-3

S.R. 408 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street			FY 2023	FY 2033	FY 2043	FY 2053
			123,200	140,600	157,700	171,200
S.R. 417		/	63,400	72,100	80,500	88,000
O., W. 111	$\overline{}$		25,700	29,300	32,800	33,900
			85,500	97,800	110,000	117,100
Dean Road	A	7	13,600	15,100	16,500	17,700
			2,500	3,300	4,000	4,500
Dean Main			74,400	86,000	97,500	103,900
Dean Main			14,400	00,000	31,300	100,500
Rouse Road			9,300	10,800	12,200	13,000
	- #-	-8	1,100	1,500	1,900	2,400
			66,200	76,700	87,200	93,300
A. 6 T. "			07.000	04.400	0.4.000	00.550
Alafaya Trail			27,300	31,100	34,900	38,550
			38,900	45,600	52,300	54,750
S.R. 50		/	25,100	29,700	34,300	35,900
C t. 00			20,100	20,700	01,000	50,000
	Ta Ohallara	Davissas	13,800	15,900	18,000	18,850
	To Challeng	ger Parkway				

S.R. 417 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street		FY 2023	FY 2033	FY 2043	FY 2053
	To FTE Section of S.R. 417	66,300	87,000	107,300	127,200
University Boulevard	o a	7,400	8,300	8,600	8,800
_		37,000	40,000	42,300	43,400
University Main	+	95,900	118,700	141,000	161,800
S.R. 50		6,500	7,100	7,600	7,800
_	A P	9,500	10,200	10,800	11,000
		98,900	121,800	144,200	165,000
S.R. 408		41,850	46,050	50,000	52,000
_		47,250	55,350	63,300	69,900
		104,300	131,100	157,500	182,900
Curry Ford Road	7	9,800	12,400	15,000	17,800
_		13,800	17,600	21,400	24,700
Curry Ford Main	+	108,300	136,300	163,900	189,800
Lee Vista Boulevard		7,300	9,500	11,600	13,700
_	Q 0	8,000	11,400	14,800	17,600
		109,000	138,200	167,100	193,700
S.R. 528		43,150	53,000	63,000	73,000
_		28,350	34,700	41,800	49,500
		94,200	119,900	145,900	170,200
Innovation Way/	8 / R	7,600	9,500	11,300	12,600
Dowden Road		3,900	4,700	5,400	6,000
		90,500	115,100	140,000	163,600
Moss Park Road	0 0	9,000	10,600	12,200	13,800
_		9,200	11,100	12,900	14,600
		90,700	115,600	140,700	164,400
Narcoossee Road	A A	20,100	24,000	27,800	30,600
_		11,300	16,700	22,000	25,900
		81,900	108,300	134,900	159,700

S.R. 417 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street	FY 2023	FY 2033	FY 2043	FY 2053
Lake Nona Road	8,500	14,000	19,500	24,100
	12,000	14,800	17,500	17,800
	85,400	109,100	132,900	153,400
Boggy Creek Road	25,800	33,000	40,200	45,800
/Airport Access Road	24,900	28,700	32,400	35,700
Boggy Creek Main	84,500	104,800	125,100	143,300
Landstar Boulevard	8,000	9,200	10,400	11,700
	17,500	19,900	22,300	24,300
	94,000	115,500	137,000	155,900
Florida's Turnpike	32,000	39,500	47,000	53,000
	26,400	33,600	40,800	49,000
	88,400	109,600	130,800	151,900
Orange Blossom	9,700	13,500	17,300	20,300
Trail	11,300	13,700	16,100	18,900
	90,000	109,800	129,600	150,500
John Young	27,500	31,700	35,900	39,300
Parkway	11,100	13,500	15,800	18,100
John Young Main	73,600	91,600	109,500	129,300
World Center Drive	28,000	34,800	39,400	43,900
To FTE Section of S.R. 417	45,600	56,800	70,100	85,400

S.R. 429 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street	FY 2023	FY 2033	FY 2043	FY 2053
To FDOT Section of S.R. 429 (Wekiva Parkway)				
Mount Plymouth Main	8,900	22,300	30,400	39,200
S.R. 453	2,400	3,600	4,700	5,700
5.11. 433	14,600	21,800	27,400	33,400
	14,000	21,000	21,400	55,400
	21,100	40,500	53,100	66,900
Kelly Park Road	2,500	4,800	6,200	7,800
	6,200	16,400	21,600	25,200
Ponkan Main	24,800	52,100	68,500	84,300
	_ 1,555	,	,	- 1,
U.S. 441	1,100	5,200	8,800	12,300
	17,400	21,600	25,500	29,400
	41,100	68,500	85,200	101,400
S.R. 414	13,100	24,300	29,500	34,700
	31,700	37,000	42,900	48,400
	59,700	81,200	98,600	115,100
C.R. 437A/	2,500	7,100	9,900	12,300
Ocoee Apopka Rd	7,200	9,600	12,000	13,900
Forest Lake Main	64,400	83,700	100,700	116,700
	,	19,300	17,000	16,000
West Road	2,800	3,700	4,200	4,700
	13,800	17,800	20,900	23,100
	75,400	97,800	117,400	135,100
S.R. 438/	6,200	8,000	9,400	10,300
Plant Street	13,200	17,000	20,000	22,100
	82,400	106,800	128,000	146,900

S.R. 429 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street	FY 2023	FY 2033	FY 2043	FY 2053
S.R. 50	9,400 7,600	12,500 10,100	15,000 12,100	17,100 13,800
	80,600	104,400	125,100	143,600
Florida's Turnpike	43,200 39,800	56,500 56,900	70,100 77,900	83,700 96,900
	77,200	104,800	132,900	156,800
C.R. 535	19,400 9,800	22,300 11,300	25,500 12,700	28,500 13,800
T	67,600	93,800	120,100	142,100
Stoneybrook West Parkway	9,800	11,300	12,900	14,400
Independence Main	57,800	82,500	107,200	127,700
New Independence Parkway	14,100 3,800	20,700 5,600	28,200 7,900	31,800 9,400
	47,500	67,400	86,900	105,300
Schofield Road	8,500 900	13,100 4,100	18,000 7,200	22,900 9,300
To FTE Section of S.R. 429	39,900	58,400	76,100	91,700

S.R. 414 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street		FY 2023	FY 2033	FY 2043	FY 2053
S.R. 429					
0.14. 420		44,800	61,300	72,400	83,100
		44,800	61,300	72,400	83,100
U.S. 441 via S.R. 451		10,800	16,400	19,200	21,300
		5,000	7,700	10,400	12,900
		39,000	52,600	63,600	74,700
Marden Road					
		4,600	6,600	8,400	10,000
Coral Hills Main		43,600	59,200	72,000	84,700
C.R. 435/Keene Road					
	Q D	4,700	6,600	8,200	9,500
		48,300	65,800	80,200	94,200
Hiawassee Road		7,000	8,500	9,900	10,300
	Q P	4,700	5,500	6,300	6,600
		46,000	62,800	76,600	90,500
U.S. 441		8,100	10,600	13,500	15,900
		13,400	15,900	17,900	18,800
		51,300	68,100	81,000	93,400
	To Maitland Blvd.				

S.R. 453 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street		FY 2023	FY 2033	FY 2043	FY 2053
S.R. 46/Mt. Dora		17,000	25,400	32,100	39,100
Coronado Main	+	17,000	25,400	32,100	39,100
S.R. 429		17,000	25,400	32,100	39,100

S.R. 538 - Two-Way Revenue Average Weekday Traffic (AWDT)

Cross Street		FY 2023	FY 2033	FY 2043	FY 2053
C.R. 532					
	$\overline{}$	-	12,400	16,500	20,300
		-	12,400	16,500	20,300
U.S. 17-92		_	1,200	1,600	2,000
		-	10,800	14,300	17,600
Marigold Main	十	14,700	22,000	29,200	35,900
Marigold Avenue		7,200	13,300	17,600	21,700
		-	2,700	3,600	4,500
Koa Main	十	7,500	11,400	15,200	18,700
Koa Street		2,900	4,400	5,900	7,400
		4,600	7,000	9,300	11,300
Cypress Parkway		4,600	7,000	9,300	11,300



