

AMENDMENT NUMBER TWO - JANUARY, 2019

Prior to the required 5-year update cycle, there are times when the TPO may find it necessary to amend the LRTP. An amendment is a major revision that may include adding or deleting a project from the plan. It includes also major changes to project costs, initiation dates, or design concepts and scopes for existing projects. A major amendment resulting in a change in the cost feasibility of the adopted LRTP cost feasible plan requires financial analysis reaffirming the cost feasibility of the amended plan. An amendment requires public review and comment in accordance with the Public Involvement Process for LRTP Amendments, and re-demonstrating fiscal constraint. Florida Statute requires that the TPO Board adopt any amendments to the LRTP by a recorded roll call vote of the majority of the membership present.

This amendment addresses 2 areas; Addressing a Federal Highway Administration corrective action and Federal Planning Rules.

FEDERAL HIGHWAY ADMINISTRATION (FHWA) CORRECTIVE ACTION

Every four years all TPO/MPOs go through a certification process by FHWA to ensure that they are operating in compliance with standards, policies and procedures. In the certification review conducted on the Space Coast TPO in June 2018 the following LRTP corrective action was issued.

“Long Range Transportation Plan - Fiscal Constraint - While a comparison of the plan revenue sources and Cost Feasible Plan was included to demonstrate the fiscal constraint of the Plan (Table 7.12), the LRTP did not include the first five years of the Plan and therefore, does not demonstrate full fiscal constraint of the Plan. In accordance with 23 CFR 450.322(a), and discussed in the November 2012 FHWA/FTA LRTP Expectations Letter, the LRTP must show projects and funding for the entire time period covered by the LRTP, from the base year to the horizon year. Because this information is missing from the financial infographics and tables, fiscal constraint of the full plan could not be determined. Revisions to the 2040 LRTP must be made to clearly demonstrate fiscal constraint for the entire Plan by February 28, 2019.”

RESOLUTION TO FEDERAL HIGHWAY ADMINISTRATION (FHWA) CORRECTIVE ACTION

Long Range Transportation Plans become active on their adoption date. This plan was originally adopted on October 8, 2015. In order to demonstrate fiscal constraint, the following pages 338 - 377 include the projects, their costs, and funded phases for fiscal year 2015/2016 through fiscal year 2019/2020 that cover the first five years of this adopted LRTP. By inclusion of these projects fiscal constraint can clearly be demonstrated for the entire period covered by the LRTP.

On the following pages, text in the body of this document has been updated reflect the inclusion of the first 5 years of projects:

On page 141 the text in bold in the second paragraph was updated to reference this appendix. It reads:

“The prioritization of long term improvements is complemented in the cost feasible plan by parallel efforts to prioritize and implement specific types of improvements, including capacity, safety and congestion management projects, some of which are affordable in the short term, between 2016 and 2020. **These funded projects are listed in the Transportation Improvement Program Table beginning on Page 338.**”

On page 155 halfway through the first paragraph the following text in bold was added:

“The first five years of the plan period **are already funded** and are not included in the projections since the revenue for that period is encumbered by projects included in the TPO’s Transportation Improvement Program (**Page 338**).

Text was also added to the Cost Feasible Table(s) (7.13) beginning on page 171, to refer to this appendix for the first five years of projects in the LRTP.

FEDERAL PLANNING RULES

The Moving Ahead for Progress in the 21st Century Act (MAP-21) Act enacted in 2012 and the Fixing America's Surface Transportation Act (FAST Act) enacted in 2015 require that the Florida Department of Transportation and metropolitan planning organizations (MPO/TPOs) must apply a transportation performance-based planning approach to transportation decision-making.

Transportation Performance-based planning is a strategic approach to connect investment and policy decisions to help achieve performance goals. Performance measures are quantitative criteria used to evaluate progress. Performance measure targets are the benchmarks against which collected data is gauged. The Moving Ahead for Progress in the 21st Century Act (MAP-21) requires State DOTs and TPOs to conduct performance-based planning by tracking performance measures and setting data-driven targets to improve those measures. Performance-based planning ensures the most efficient investment of federal transportation funds by increasing accountability, transparency, and providing for better investment decisions that focus on key outcomes related to seven national goals:

- Improving Safety;
- Maintaining Infrastructure Condition;
- Reducing Traffic Congestion;
- Improving the Efficiency of the System and Freight Movement;
- Protecting the Environment; and,
- Reducing Delays in Project Delivery

The Fixing America's Surface Transportation (FAST) Act supplements the MAP 21 legislation by establishing timelines for State DOTs and TPOs to comply with the requirements of MAP-21. State DOTs are required to establish statewide targets and TPOs have the option to support the statewide targets or adopt their own. The following is being included in this LRTP amendment to meet the performance measurements required in Long Range Transportation Plans.

PERFORMANCE MEASURE (PM1) - SAFETY

Safety is the first national goal identified in the FAST Act. In March of 2016, the Highway Safety Improvement Program (HSIP) and Safety Performance Management Measures Rule (Safety PM Rule) was finalized and published in the *Federal Register*. The rule requires TPOs to set targets for the following safety-related performance measures and report progress to the State DOT:

Number and Rate of Fatalities per 100M Vehicle Miles Traveled

Number and Rate of Serious Injuries per 100M Vehicle Miles Traveled

Rate of Fatalities per 100M Vehicle Miles Traveled (VMT); and

Number of Non-Motorized Fatalities and Non-Motorized Serious Injuries.

The 2016 Florida Strategic Highway Safety Plan (SHSP) is the statewide plan focusing on how to accomplish the vision of eliminating fatalities and reducing serious injuries on all public roads. The SHSP was developed in coordination with Florida's 27 metropolitan planning organizations (MPOs) through Florida's Metropolitan Planning Organization Advisory Council (MPOAC). The SHSP development process included review of safety-related goals, objectives, and strategies in MPO/TPO Plans. The SHSP guides FDOT, TPOs, and other safety partners in addressing safety and defines a framework for implementation activities to be carried out throughout the State.

The Florida SHSP and the Florida Transportation Plan (FTP) both highlight the commitment to a **vision of zero deaths**. The FDOT Florida Highway Safety Improvement Program (HSIP) annual report documents the statewide performance measures toward that zero deaths vision.

In February 2018, the Space Coast TPO approved Resolution 18-13 to adopt the FDOT state-wide HSIP safety performance measures and FDOT's 2018 safety targets, which set the target at "0" for each performance measure to reflect the Department's goal of zero deaths. For calendar year 2019, FDOT continued its Vision Zero targets for all five safety performance measures. On October 11, 2018, the Space Coast TPO approved Resolution 19-07 to adopt the FDOT Vision Zero targets and will continue to work with the State and safety stakeholders to address areas of concern for fatalities or serious injuries within the planning area.

LONG RANGE TRANSPORTATION PLAN PRIORITIES - SAFETY

The Space Coast TPO 2040 LRTP emphasizes the commitment to safety through the goals identified in the plan. One of the LRTP's objectives is to improve the safety of county and state infrastructure for motorized and non-motorized users. Improving the safety of the transportation system in Brevard County is an integral piece of the transportation planning puzzle, one that plays a major role in any and all infrastructure improvements, across modes and across improvement types. The TIP reflects these investment priorities established by the Space Coast TPO in the Long Range Transportation Plan (LRTP).

For the Space Coast TPO this includes safety programs such as:

Annual Countywide Safety Report (consistent with the Florida SHSP) – The analysis of prioritized intersections and segments and the safety data utilized in it was instrumental in the prioritization process of needs projects for inclusion in the cost feasible plan of the LRTP. A combination of crash severity and frequency data were analyzed to identify those facilities with the greatest need for safety improvements. In addition, facilities in need of multimodal infrastructure improvements were recognized in this analysis as crucial to the safety and vulnerable road users.

Road Safety Audit Program – a look at high crash sections as well as pedestrian and bicycle safety reviews with a focus on crash frequency and severity reduction and both short-and long-term solutions to identified safety issues on roadways. TPO Staff is working with the District Five Safety Office and local municipalities to determine specific safety funding for each section identified.

State of the System Report – Annually evaluate the state of the transportation system in Brevard to look at current conditions and trends to determine if the programs and priorities are effective at targeting facilities needing attention and if these programs are aligned with the goals and objectives of the Space Coast TPO. This is an integral part of the TPO's project priority and congestion management process.

These programs at times include input from the Community Traffic Safety Team (CTST) and the Transportation Subcommittee to address infrastructure or behavior safety.

The TIP includes various safety infrastructure improvements such as: pedestrian lighting, intersection improvements, pedestrian refuges / traffic calming, sidewalk projects, traffic signals, ITS communications system, mid-block crossings with rectangular rapid flashing beacons, complete street projects and design of a Brevard County Traffic Management Center.

The Space Coast TPO Bicycle and Pedestrian Mobility Plan also serve as the non-motorized transportation element of the 2040 LRTP. The bicycle/pedestrian network is a component of the overall transportation system. FDOT evaluates bicycle and pedestrian improvements in conjunction with capacity and resurfacing projects. Bicycle and pedestrian projects are also implemented by local agencies, who oversee construction and management. In addition, some projects are federally funded Transportation

Alternatives Program (TAP) or the state funded Shared Use Non-motorized (SUN) Trail Program.

The TPO also conducts a Bicycle/Pedestrian Education program focused on educating both non-motorized and motorized users on traffic laws and safe transportation practices. Through partnership with Brevard County Schools, TPO staff has worked on many programs, including the Walking School Bus Program, and Walk to School and Bike to School Day Events. Other safety education include: bicycle rodeos, safety fairs, and bicycle helmet program. The education element of the TPO's safety activities are a crucial part of advancing safety for users of multimodal and roadway infrastructure. Effectiveness of these programs is maximized by the breadth of participants involved.

The TIP includes specific investment priorities that support all of the Space Coast TPO's goals including safety, using a prioritization and project selection process established in the LRTP. This process evaluates projects that have an anticipated effect of reducing both fatal and injury crashes. The TPO's goal of reducing fatal and serious injury crashes is linked to this investment plan and the process used in prioritizing the projects is consistent with federal requirements. The Space Coast TPO will continue to coordinate with FDOT and transit providers to take action on the additional targets and other requirements of the federal performance management process.

TRANSPORTATION ASSET MANAGEMENT PLAN

MAP-21 and the FAST Act require FDOT develop a risk-based Transportation Asset Management Plan (TAMP) for all pavement and bridges on the National Highway System. The TAMP must include investment strategies leading to a program of projects that would make progress toward achievement of the State DOT targets for asset condition and performance of the National Highway System (NHS). It focuses on business, economics, and engineering practices for resource allocation, project selection and utilization, with the objective of informing decision making based upon quality information and well-defined objectives. The TAMP will serve as the basis for establishing in future TIPs the targets for the pavement and bridge condition performance measures identified in the TIP/LRTP System Performance Report.

In January 2017, USDOT published the Pavement and Bridge Condition Performance Measures Final Rule, which is also referred to as the PM2 rule. This rule establishes the following six performance measures:

- Percent of Interstate pavements in good condition;
- Percent of Interstate pavements in poor condition;
- Percent of non-Interstate National Highway System (NHS) pavements in good condition;
- Percent of NHS bridges by deck area classified as in good condition; and
- Percent of NHS bridges by deck area classified as in poor condition.

For the pavement measures, five pavement metrics are used to assess condition: International Roughness Index (IRI); Cracking Percent; Rutting; Faulting; and a Present Serviceability Rating (PSR) for lower speed roads. The bridge measure assesses the condition of a bridge's deck, superstructure, substructure, and culverts. Good condition suggests that no major investment is needed, and poor condition suggest major reconstruction investment is needed.

PERFORMANCE MEASURE (PM2) - BRIDGE AND PAVEMENT

Federal rules require state DOTs and TPOs to set bridge and pavement performance targets and monitor progress towards achieving the targets. States must set four-year statewide targets for the percent of interstate pavements in good and poor condition; two-year and four-year targets for the percent of non-Interstate NHS pavements in good and poor condition; and two-year and four-year targets for the percent of NHS bridges by deck area in good and poor condition.

TPOs must set four-year targets for all six measures. TPOs can either agree to program projects that will support the statewide targets, or set their own quantifiable targets for the TPO's planning area. FDOT set the following statewide targets on May 18, 2018:

Performance Measure	2-year State-wide Target (Jan. 1, 2018 to Dec. 31, 2019)	4-year Statewide Target (Jan. 1, 2018 to Dec. 31, 2021)
Percent of Interstate pavements in good condition	Not required	60%
Percent of Interstate pavements in poor condition	Not required	5%
Percent of non-Interstate NHS pavements in good condition	40%	40%
Percent of non-Interstate NHS pavements in poor condition	5%	5%
Percent of NHS bridges by deck area in good condition	50%	50%
Percent of NHS bridges by deck area in poor condition	10%	10%

In setting the statewide targets, FDOT considered several factors. The key considerations included:

FDOT currently has the following conditions:

- 66% of the Interstate pavements in good condition and 0.1% in poor condition;
- 45% of the non-Interstate NHS pavements in good condition and 0.4% in poor condition;
- 72% of NHS bridges by deck area in good condition and 1% in poor condition

FDOT seeks to be conservative in its targets, while at the same time meeting the minimum condition requirements (no more than 5% of the Interstate System in poor condition and no more than 10% of NHS bridges by deck area in poor condition).

On October 11, 2018, the Space Coast TPO approved Resolution 19-07 and agreed to support FDOT's statewide pavement and bridge performance targets, thus agreeing to plan and program projects in the TIP that will, once implemented, make progress toward achieving the statewide targets.

The Space Coast TPO TIP was developed and is managed in cooperation with FDOT and Space Coast Area Transit. It reflects the investment priorities established in the 2040 LRTP. The focus of the Space Coast TPO's investments that bridge and pavement condition include the following:

- Resurfacing / Bridge Repair and Rehabilitation
- Construction for three new Interchanges at I-95 / St. Johns Heritage Parkway (Palm Bay), I-95 / Viera Blvd and I-95 / Ellis Road
- I-95 Ramp improvements at I-95 and Wickham, Eau Gallie and Fiske
- I-95 / Grant Road Bridge Rehabilitation
- Resurfacing and Design of SR 528 (Beachline) Widening from SR 520 to SR 401 Interchange (Port)
- SR 405 Spaceport Connectors Resurfacing (Titusville)

The Space Coast TPO TIP has been evaluated and the anticipated effect of the overall program is that, once implemented, progress will be made towards achieving the statewide pavement and bridge performance targets.

PERFORMANCE MEASURE (PM3) - SYSTEM PERFORMANCE, FREIGHT, CONGESTION MITIGATION & AIR QUALITY IMPROVEMENT (CMAQ) PROGRAM

In January 2017, USDOT published the System Performance/Freight/CMAQ Performance Measures Final Rule to establish measures to assess passenger and freight performance on the Interstate and non-Interstate National Highway System (NHS), and traffic congestion and on-road mobile source emissions in areas that do not meet federal National Ambient Air Quality Standards (NAAQS). The rule, which is referred to as the PM3 rule, requires MPOs to set targets for the following six performance measures:

- Percent of person-miles on the Interstate system that are reliable, also referred to as Level of Travel Time Reliability (LOTTR);
- Percent of person-miles on the non-Interstate NHS that are reliable (LOTTR);
- Truck Travel Time Reliability index (TTTR);
- Annual hours of peak hour excessive delay per capita;
- Percent of non-single occupant vehicle travel (Non-SOV); and
- Total emissions reduction of on-road mobile source emissions.

In Florida, only the two LOTTR performance measures and the TTTR performance measure apply. Because all areas in Florida meet current NAAQS, the remaining three measures do not currently apply in Florida. A description of the applicable measures follows.

LOTTR Measures - The LOTTR performance measures assesses the percent of person-miles traveled on the Interstate or the non-Interstate NHS that are reliable. LOTTR is defined as the ratio of longer travel times (80th percentile) to a normal travel time (50th percentile) over of all applicable roads, between the hours of 6 a.m. and 8 p.m. each day. The measures are expressed as the percent of person-miles traveled on the Interstate or Non-Interstate NHS system that are reliable. Person-miles take into account the number of people traveling in buses, cars, and trucks over these roadway segments.

TTTR Measure - The TTTR performance measure assesses the reliability index for trucks traveling on the interstate. A TTTR ratio is generated by dividing the 95th percentile truck travel time by a normal travel time (50th percentile) for each segment of the Interstate system over specific time periods throughout weekdays and weekends. This is averaged across the length of all Interstate segments in the state or MPO planning area to determine the TTTR index.

System Performance and Freight Targets - Federal rules require TPOs to establish four-year performance targets for the LOTTR and TTTR performance measures, within 180 days of FDOT setting state-wide targets. MPOs can either agree to program projects that will support the statewide targets, or set their own quantifiable targets for the MPO’s planning area.

FDOT set the following statewide targets on May 18, 2018:

Performance Measure	2-year State-wide Target (Jan. 1, 2018 to Dec. 31, 2019)	4-year Statewide Target (Jan. 1, 2018 to Dec. 31, 2021)
Percent of person-miles on the Interstate system that are reliable (Interstate LOTTR)	75%	70%
Percent of person-miles on the non-Interstate NHS that are reliable (Non-Interstate NHS LOTTR)	Not Required	50%
Truck travel time reliability (TTTR)	1.75	2.00

In setting the statewide targets, FDOT considered several factors. The key considerations included:

FDOT currently has the following conditions:

- 82% of person-miles traveled on the Interstate that are reliable;
- 84% of person-miles traveled on the non-Interstate that are reliable;
- 1.43 truck travel time reliability index

FDOT reviewed external and internal factors that may affect reliability, conducted a trend analysis for the performance measures, and developed a sensitivity analysis indicating the level of risk for road segments to become unreliable. One key conclusion from this effort is that there is a degree of uncertainty with the future performance of reliability.

FDOT sought to be conservative in its targets and closely monitor its PM3 performance in the coming years.

On October 11, 2018, the Space Coast TPO approved Resolution 19-07 and agreed to support FDOT’s statewide system performance targets, thus agreeing to plan and program projects in the TIP that will, once implemented, make progress toward achieving the statewide targets.

LONG RANGE TRANSPORTATION PLAN PRIORITIES – SYSTEM PERFORMANCE AND FREIGHT

The Space Coast TPO TIP was developed and is managed in cooperation with FDOT and Space Coast Area Transit. It reflects the investment priorities established in the 2040 LRTP. Improving mobility for people and freight on the regional transportation system and employing operational strategies to

optimize the performance of the County's transportation infrastructure are objectives of the LRTP.

The strategies to address these objectives include capital investments in the county's arterial and limited access roadways providing access to major economic generators like ports, downtown areas, and other emerging employment centers as well as incremental improvements in the county's Intelligent Transportation System through the TPO's ITS Master Plan.

Our State of the System report includes an evaluation of freight traffic reported in terms of total truck average annual daily traffic. There are several important projects included in the Long Range Transportation Plan that link investment priorities to those performance targets that improve major freight corridors and improve access to the airports and seaport in Brevard County. These improvements represent a central LRTP goal to focus on economic development and improved access to intermodal centers, as well as employment centers.

The focus of Space Coast TPO's investments that address system performance and reliability include the following:

The amount of truck traffic on I-95 and SR 528 and the surrounding roadway network serves as one indicator of freight and goods movement through the County, as those roads carry large volumes of trucks due to the activity at Port Canaveral and Orlando-Melbourne International Airport. Those facilities that form the backbone of the County's economy with primary emphasis on the FDOT Strategic Intermodal System (SIS), which includes the widening of SR 528 (Beachline), I-95 / St. Johns Heritage Parkway North Interchange at Ellis Road, Ellis Road widening, and the intermodal port/airport hubs and connecting facilities. Other improvements include the intersection improvements on US 192 and Hollywood Boulevard and US 192 and Wickham Road.

The NASA Causeway movable bridge over the Indian River is a critical connector serving the Cape Canaveral Spaceport (CCS). The route serves as a critical access point to the CCS for the billions of dollars in military and commercial space freight, as well as the thousands of military personnel and workforce at the CCS, as well as the millions of visitors annually to the Kennedy Space Center and surrounding region. Due to the age and de-rating of the structure, it requires replacement by FY 2021. The potential loss of the use of this structure for the transport of the billions of dollars of space freight will put an excessive burden on the federal and commercial sector as well as potentially reroute hazardous materials to alternate, less secure routes within the surrounding community.

The SR 401 corridor and the bascule bridge over the Canaveral Barge Canaveral are critical to the economic prosperity of the Central Florida Region. Multiple facilities, military and civilian, depend on the reliability of this corridor including, Port Canaveral, Space Florida, Kennedy Space Center, Seaport Canaveral, port assets of the US Navy and US Army and the Cape Canaveral Air Force Station. The volume of freight and cargo movement is drivers that impact the performance and reliability of the bascule bridges. In order to meet the future demand of the freight and passenger vehicle traffic, a widening of SR 401 and bridge replacement is needed.

The Space Coast TPO TIP has been evaluated and the anticipated effect of the overall program is that, once implemented, progress will be made towards achieving the statewide LOTTR and TTTR performance targets.

TRANSIT ASSET MANAGEMENT MEASURES

Transit Asset Performance

MAP-21 and the FAST Act require transit providers to adopt performance targets for transit asset management, also known as “State of Good Repair” targets, in cooperation with the TPOs. The purpose of Transit Asset Management (TAM) is to help achieve and maintain a state of good repair for the nation’s public transportation assets. The TAM rule develops a framework for transit agencies to monitor and manage public transportation assets, improve safety, increase reliability and performance and establish performance measures.

On July 26, 2016, FTA published the final Transit Asset Management rule. This rule applies to all recipients and subrecipients of Federal transit funding that own, operate, or manage public transportation capital assets. The rule defines the term “state of good repair,” requires that public transportation providers develop and implement transit asset management (TAM) plans, and establishes state of good repair standards and performance measures for four asset categories: rolling stock, equipment, transit infrastructure, and facilities. The rule became effective on October 1, 2018.

The table below identifies performance measures outlined in the final rule for transit asset management.

Asset Category	Performance Measure and Asset Class
Equipment	Percentage of non-revenue, support-service and maintenance vehicles that have met or exceeded their useful life benchmark
Rolling Stock	Percentage of revenue vehicles within a particular asset class that have either met or exceeded their useful life benchmark
Infrastructure	Percentage of track segments with performance restrictions
Facilities	Percentage of facilities within an asset class rated below condition 3 on the TERM scale

Transit Asset Management Performance Targets

Public transportation agencies are required to set and report transit targets annually. Public transit providers or their sponsors must share their targets with each TPO in which the transit provider’s projects and services are programmed in the TPO’s TIP. Subsequent TPO TAM targets must be set when updating the LRTP. TPOs can either agree to program projects that will support the TAM targets, or set their own separate regional TAM targets for the TPO’s planning area. Regional TAM targets may differ from agency TAM targets, especially if there are multiple transit agencies in the TPO’s planning area, or in the event that one or more transit agencies have not provided TAM targets to the TPO.

Space Coast Area Transit set the following transit asset targets on October 1, 2018:

Asset Category - Performance Measure	Asset Class	SCAT Useful Life Benchmark	2022 Target
Rolling Stock			
Age - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	Bus (BU) Fixed Route	9-12 Years 350,000 – 650,000 Miles	0%
	Cutaway Bus (CU) Paratransit	6-7 Years 160,000 – 175,000 Miles	0%
	Van (VN) Paratransit	4-5 Years 100,000 Miles	0%
	Agency Paratransit Vanpool Vans	4-7 Years 100,000 Miles	0%
	Commuter Vanpool Vans	4-6 Years 100,000 Miles	0%
Equipment			
Age - % of non-revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	Non-Revenue/Service Automobile	9 Years 125,000 Miles	0%
	Misc. Equipment	Under TERM 3.0	0%
Infrastructure			
% of track segments with performance restrictions	Rail fixed guideway track	N/A	N/A
Facilities			
Condition - % of facilities with a condition rating below 3.0 on the FTA Transit Economic Requirements Model (TERM) Scale	Facilities	Under TERM 3.0	0%
	Maintenance	Under TERM 3.0	0%
	Parking Structures	Under TERM 3.0	0%
	Passenger Facilities	Under TERM 3.0	0%
	Shelter	Under TERM 3.0	0%
	Storage	Under TERM 3.0	0%
	Etc.	Under TERM 3.0	0%

On December 13, 2018, the Space Coast TPO agreed to support Space Coast Area Transit’s asset targets, thus agreeing to plan and program projects in the TIP that will, once implemented, make progress toward achieving the transit provider targets.

The Space Coast TPO TIP was developed and is managed in cooperation with Space Coast Area Transit. It reflects the investment priorities established in the 2040 LRTP. Key components of the plan development process included identifying anticipated Year 2040 system capacity, system needs, cost estimates for the identified needs, and the projection of financial resources and revenues anticipated to be available by the Year of Expenditure (YOE). The resulting 2040 Cost Feasible Plan reflects an array of projects and goods in a cost-efficient manner. Key projects within the Cost Feasible Plan (CFP) include a select number of critical highway expansion projects, such as additional lanes along major corridors, supported by an array of multimodal strategies to improve traffic and transit operations, including roadway connectivity, and pedestrian/bicycle route development. However, the CFP does not address any transit needs.

Funding restraints do not allow for the expansion of transit in the near future. The portion of state Transportation funding is supplemented with other State/Federal/Local funding reflected in SCAT Transit Development Plan to sustain current transit services. The plan development process afforded an opportunity for the TPO, SCAT, and local governments to work together to identify needs and desired outcomes and establish policy and planning directives that many of the local governments have adopted into their comprehensive plans. The Local Government Comprehensive Plans support and, in some instances, reiterate the value and benefit in coordinating land use development activities with transportation planning efforts in order to optimize existing public transportation infrastructure and promote and encourage developments.

The focus of Space Coast TPO's investments that address transit state of good repair include the following:

- ADA Bus Stop Assessment – improvement to amenities at bus stop, benches, and shelters
- Bus Replacements, Capital and Operating for fixed route, transit service demonstration

The Space Coast TPO TIP has been evaluated and the anticipated effect of the overall program is that, once implemented, progress will be made towards achieving the Space Coast Area Transit asset performance targets.

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SPACE COAST TPO

Transportation Improvement Program FY 2016 - 2020

ADOPTED JULY 9, 2015 FY 16 - FY 2020, AMENDED 10/8/2015

5-Year Summary of Funding Source

Funding Source	2016	2017	2018	2019	2020	Total
Federal	59,981,638	68,476,056	19,504,626	7,175,595	17,060,347	172,198,262
Local	31,308,041	7,528,580	1,642,302	1,695,934	8,646,336	50,821,193
State	81,219,802	39,495,343	18,228,209	28,776,413	22,040,755	189,760,522
Total	172,509,481	115,499,979	39,375,137	37,647,942	47,747,438	412,779,977

Section A - Highway Capacity and Bridge Replacement

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 2375922 SR 5 (US 1) FROM N OF PINE STREET TO N OF CIDCO ROAD					Length: 3.842 MI	*Non-SIS*	*RSP*
Type of Work: ADD LANES & RECONSTRUCT					LRTP#: Page 33, Map 7		
CST	DS	0	150,000	0	0	0	150,000
Total		0	150,000	0	0	0	150,000
<i>Prior Years Cost</i>		<i>38,738,585</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>38,888,585</i>
Proj# 2376506 SR 507 BABCOCK ST FROM MALABAR RD TO PALM BAY RD					Length: 2.490 MI	*Non-SIS*	*RSP*
Type of Work: PRELIM ENG FOR FUTURE CAPACITY					LRTP#: Page 61, Table 17		
ROW	DIH	0	0	400,000	400,000	312,000	1,112,000
ROW	DDR	0	0	7,100,000	11,300,000	8,000,000	26,400,000
Total		0	0	7,500,000	11,700,000	8,312,000	27,512,000
<i>Prior Years Cost</i>		<i>3,451,544</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>30,963,544</i>
Proj# 2412411 APOLLO BLVD FROM SARNO RD TO EAU GALLIE BLVD					Length: .865 MI	*SIS*	
Type of Work: ADD LANES & RECONSTRUCT					LRTP#: Page 33, Map 7		
CST	SU	0	55,330	0	0	0	55,330
Total		0	55,330	0	0	0	55,330
<i>Prior Years Cost</i>		<i>28,468,984</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>28,524,314</i>
Proj# 4068693 I-95 (SR 9) FROM SR 406 TO SR 46					Length: 4.538 MI	*SIS*	
Type of Work: ADD LANES & REHABILITATE PVMNT					LRTP#: Page 11		
Description: Goes With Project No. 406869-2 (PD&E phase)							
CST	ACNP	0	0	211,000	0	0	211,000
Total		0	0	211,000	0	0	211,000
<i>Prior Years Cost</i>		<i>9,339,577</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>9,550,577</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4068695 I-95 FROM 0.5 MILE N OF SR 46 TO VOLUSIA CO LINE					Length: 8.244 MI	*SIS*	
Type of Work: ADD LANES & REHABILITATE PVMNT					LRTP#: Page 11		
Description: Goes With Project No. 406869-2 (PD&E Phase)							
CST	ACNP	0	0	569,000	0	0	569,000
Total		0	0	569,000	0	0	569,000
<i>Prior Years Cost</i>		<i>13,844,145</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>14,413,145</i>
Proj# 4074023 SR 528 FROM E OF SR524(INDUSTRY) TO EAST OF SR 3					Length: 3.719 MI	*SIS*	
Type of Work: ADD LANES & RECONSTRUCT					LRTP#: PAGE 11		
Description: Goes with Project No. 4074021 (PD&E Phase) & 4074024 (Design Phase)							
PE	DIH	200,000	0	0	0	0	200,000
PE	DI	5,800,000	0	0	0	0	5,800,000
ENV	DDR	0	1,705,000	0	0	0	1,705,000
Total		6,000,000	1,705,000	0	0	0	7,705,000
<i>Prior Years Cost</i>		<i>2,074,772</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>9,779,772</i>
Proj# 4074024 SR 528 FROM EAST OF SR 3 TO PORT CANAVERAL INTERCHANGE					Length: 5.091 MI	*SIS*	
Type of Work: ADD LANES & RECONSTRUCT					LRTP#: PAGE 11		
Description: Goes with Project No. 4074021 (PD&E Phase) & 4074023 (Design Phase)							
PE	DIH	200,000	0	0	0	0	200,000
PE	DI	5,400,000	0	0	0	0	5,400,000
ENV	DDR	0	1,400,000	0	0	0	1,400,000
Total		5,600,000	1,400,000	0	0	0	7,000,000
<i>Prior Years Cost</i>		<i>2,074,772</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>9,074,772</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4269043 I-95 INT @ ST JOHNS HERITAGE PKWY/PALM BAY PK WY N OF MICCO RD					Length: 1.117 MI	*SIS*	
Type of Work: INTERCHANGE (NEW)					LRTP#: Page 12		
Description: Goes with Project No. 4269041 (PD&E Study) / Goes with Project L-PALMBAY01 and PALMBAY02 for Palm Bay Local Access Roads							
ROW	LF	14,838,000	0	0	0	0	14,838,000
PE	S129	375,000	0	0	0	0	375,000
CST	ACNP	34,447,107	0	0	0	0	34,447,107
CST	DDR	0	0	48,083	0	0	48,083
Total		49,660,107	0	48,083	0	0	49,708,190
<i>Prior Years Cost</i>		<i>1,633,235</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>51,341,425</i>
Proj# 4269053 I-95 INT @ ELLIS RD /ST JOHNS HERITAGE PKWY					Length: 1.010 MI	*SIS*	
Type of Work: INTERCHANGE (NEW)					LRTP#: PAGE 12		
Description: Goes with Project Nos. 4269051 (PD&E phase) and 4269054 (Ellis Road)							
PE	DIH	7,751	0	0	0	0	7,751
PE	TCSP	115,326	0	0	0	0	115,326
ROW	DDR	3,025,000	3,198,600	2,194,300	1,905,700	0	10,323,600
ENV	DDR	2,275,000	0	0	0	0	2,275,000
ROW	DIH	40,000	40,000	0	0	0	80,000
PE	ACSA	40,000	0	0	0	0	40,000
ENV	DI	1,200,000	0	0	0	0	1,200,000
CST	DS	0	1,554,090	0	0	0	1,554,090
CST	ACNP	0	42,864,114	0	0	50,000	42,914,114
Total		6,703,077	47,656,804	2,194,300	1,905,700	50,000	58,509,881
<i>Prior Years Cost</i>		<i>4,649,811</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>63,159,692</i>
Proj# 4269054 ST JOHNS HERITAGE PKWY/ELLIS RD FROM JOHN RHODES BLVD TO W OF WICKHAM					Length: .044 MI	*Non-SIS*	*RSP*
Type of Work: PRELIMINARY ENGINEERING					LRTP#: PAGE 12		
Description: Goes with Project Nos 426905-2 (Brevard County LAP Project); Goes with Project Nos. 4269051 (PD&E Phase) and 4269053 (New Interchange)							
ROW	SA	614,000	0	0	0	5,000,000	5,614,000
Total		614,000	0	0	0	5,000,000	5,614,000
<i>Prior Years Cost</i>		<i>2,526,156</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>8,140,156</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4282381 I-95 INTERCHANGE AT VIERA BLVD							
Type of Work: INTERCHANGE (NEW)							
					Length: .535 MI	*SIS*	
					LRTP#: Page 13		
Description: New I-95 Interchange; Right of Way needed to construct interchange will be donated by the Viera Company. Goes with Project L-VIERA-01							
PE	DIH	10,000	0	0	0	0	10,000
PE	DDR	1,800,000	0	0	0	0	1,800,000
ROW	PVT	12,600,000	0	0	0	0	12,600,000
CST	DS	0	7,323,382	0	0	0	7,323,382
Total		14,410,000	7,323,382	0	0	0	21,733,382
<i>Prior Years Cost</i>		<i>1,247,246</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>22,980,628</i>
Proj# 4283464 ST JOHNS HERITAGE PKWY FROM US 192 TO ELLIS RD INTERCHANGE							
Type of Work: NEW ROAD CONSTRUCTION							
					Length: 2.16 MI	*Non-SIS*	*RSP*
					LRTP#: PAGE 12		
CST	LF	0	3,116,011	0	0	0	3,116,011
CST	CIGP	0	3,116,011	0	0	0	3,116,011
Total		0	6,232,022	0	0	0	6,232,022
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>6,232,022</i>
Proj# 4301361 SR 514 (MALABAR RD) FROM BABCOCK ST TO US 1							
Type of Work: PD&E/EMO STUDY							
					Length: 3.698 MI	*Non-SIS*	*RSP*
					LRTP#: Page 59, Table 15		
PE	DS	0	0	500,000	0	0	500,000
PE	DIH	0	0	0	5,000	0	5,000
PE	DDR	0	0	0	3,500,000	0	3,500,000
Total		0	0	500,000	3,505,000	0	4,005,000
<i>Prior Years Cost</i>		<i>1,225,984</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>5,230,984</i>
Proj# 4336041 US 1 SR 404/PINEDA CAUSEWAY TO PARK AVENUE							
Type of Work: PD&E/EMO STUDY							
					Length: 8.845 MI	*Non-SIS*	*RSP*
					LRTP#: Page 59		
PD&E	DIH	0	0	0	25,000	0	25,000
PD&E	DDR	0	0	0	1,738,000	0	1,738,000
Total		0	0	0	1,763,000	0	1,763,000
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,763,000</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4336051 SR 501 FROM MICHIGAN AVENUE TO INDUSTRY ROAD					Length: 1.123 MI	*Non-SIS*	*RSP*
Type of Work: PD&E/EMO STUDY					LRTP#: Page 13		
Description: STATE FUNDED ONLY							
PE	DS	0	0	150,000	0	0	150,000
PE	DIH	0	0	0	5,000	0	5,000
PE	DDR	0	0	0	2,398,825	0	2,398,825
Total		0	0	150,000	2,403,825	0	2,553,825
<i>Prior Years Cost</i>		<i>1,196,000</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>3,749,825</i>
Proj# 4336541 SR 500/US 192 AT WICKHAM RD					Length: .020 MI	*SIS*	
Type of Work: ADD TURN LANE(S)					LRTP#: page 76		
PE	SU	187,010	0	0	0	0	187,010
PE	ACSU	304,990	0	0	0	0	304,990
Total		492,000	0	0	0	0	492,000
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>492,000</i>
Proj# 4336551 SR 500/US 192 AT HOLLYWOOD BLVD					Length: .002 MI	*SIS*	
Type of Work: ADD TURN LANE(S)					LRTP#: page 76		
PE	SU	575,000	0	0	0	0	575,000
ROW	DIH	0	0	0	0	50,000	50,000
ROW	DDR	0	0	0	0	4,728,500	4,728,500
Total		575,000	0	0	0	4,778,500	5,353,500
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>5,353,500</i>
Proj# 4361231 SR 405 AT SISSON RD SPACEPORT CONNECTOR SIS INTERSECTION IMPROVEMENTS					Length: .384 MI	*SIS*	
Type of Work: ADD LEFT TURN LANE(S)					LRTP#: PAGE 76		
ROW	ACNP	0	940,000	0	0	0	940,000
CST	ACNP	0	0	0	0	646,287	646,287
Total		0	940,000	0	0	646,287	1,586,287
<i>Prior Years Cost</i>		<i>410,000</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,996,287</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4363701 SJHP WASHINGTONIA EXTENSION FROM ELLIS ROAD TO PINEDA					Length: 5.0 MI	*Non-SIS*	*RSP*
Type of Work: CORRIDOR/SUBAREA PLANNING					LRTTP#: Page 13		
PD&E	SA	0	0	0	0	2,010,000	2,010,000
PD&E	LF	0	0	0	0	1,500,000	1,500,000
Total		0	0	0	0	3,510,000	3,510,000
<i>Prior Years Cost</i>		<i>Future Years Cost</i>			<i>Total Project Cost</i>		<i>3,510,000</i>
Proj# 4372031 HOLLYWOOD ST WIDENING FROM PALM BAY RD TO US 192					Length: 3.111 MI	*Non-SIS*	*RSP*
Type of Work: WIDEN/RESURFACE EXIST LANES					LRTTP#: Page 13		
Description: Right of Way Funded with Transportation Regional Incentive Program (TRIP) Funds w/ 50% local match.							
ROW	LF	0	0	0	0	3,365,783	3,365,783
ROW	TRIP	0	0	0	0	3,365,783	3,365,783
Total		0	0	0	0	6,731,566	6,731,566
<i>Prior Years Cost</i>		<i>Future Years Cost</i>			<i>Total Project Cost</i>		<i>6,731,566</i>
Proj# 4372041 BABCOCK ST FROM PALM BAY PARKWAY TO MALABAR ROAD					Length: 7.000 MI	*Non-SIS*	*RSP*
Type of Work: ADD LANES & RECONSTRUCT					LRTTP#: Page 12		
PE	TRIP	0	0	0	0	1,500,000	1,500,000
PE	LF	0	0	0	0	1,500,000	1,500,000
Total		0	0	0	0	3,000,000	3,000,000
<i>Prior Years Cost</i>		<i>Future Years Cost</i>			<i>Total Project Cost</i>		<i>3,000,000</i>
Proj# 4372101 MALABAR RD FROM PALM BAY PARKWAY TO MINTON RD					Length: 3.970 MI	*Non-SIS*	*RSP*
Type of Work: PD&E/EMO STUDY					Lead Agency: CITY OF PALM BAY		
					LRTTP#: Page 12		
PD&E	TRIP	0	0	0	0	500,000	500,000
PD&E	LF	0	0	0	0	500,000	500,000
Total		0	0	0	0	1,000,000	1,000,000
<i>Prior Years Cost</i>		<i>Future Years Cost</i>			<i>Total Project Cost</i>		<i>1,000,000</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4380301 SR 528 BEACHLINE EAST WIDENING PD&E STUDY FROM SR 520 TO SR 524 (Industry Road)					Length: 9.7 MI	*SIS*	
Type of Work: ADD LANES & RECONSTRUCT					Lead Agency: Turnpike Enterprise		
					L RTP#: PAGE 11		
Description: A Project Development and Environment phase is required to investigate the feasibility of the addition of express lanes and a service plaza.							
PD&E	PKYI	4,504	0	0	0	0	4,504
PD&E	DI	5,300,000	0	0	0	0	5,300,000
	Total	5,304,504	0	0	0	0	5,304,504
<i>Prior Years Cost</i>		<i>Future Years Cost</i>			<i>Total Project Cost</i>		<i>5,304,504</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Section B - Maintenance and Safety Projects

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 2433401 COCOA OPERATIONS COMPLEX PHASE 1							*Non-SIS*
Type of Work: FIXED CAPITAL OUTLAY							
PE	DIH	5,000	0	0	0	0	5,000
	Total	5,000	0	0	0	0	5,000
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		5,000
Proj# 4130191 BREVARD TRAFFIC ENGINEERING CONTRACTS					Length: .000 MI	*Non-SIS*	
Type of Work: TRAFFIC SIGNALS							
					LRTP#: Page 76		
OPS	DITS	403,643	0	0	0	0	403,643
OPS	DDR	556,942	726,279	740,983	655,491	655,491	3,335,186
	Total	960,585	726,279	740,983	655,491	655,491	3,738,829
<i>Prior Years Cost</i>		4,902,376	<i>Future Years Cost</i>		<i>Total Project Cost</i>		8,641,205
Proj# 4137611 SR 514 FROM WEBER RD TO COREY ROAD					Length: 1.359 MI	*Non-SIS*	*RSP*
Type of Work: ADD LEFT TURN LANE(S)							
					LRTP#: Page 76		
ENV	DDR	112,000	0	0	0	0	112,000
ROW	DS	0	0	260,000	130,000	65,000	455,000
ROW	DIH	0	0	50,000	48,345	0	98,345
CST	DS	0	0	0	1,884,559	0	1,884,559
CST	DIH	0	0	0	335,409	0	335,409
	Total	112,000	0	310,000	2,398,313	65,000	2,885,313
<i>Prior Years Cost</i>		778,009	<i>Future Years Cost</i>		<i>Total Project Cost</i>		3,663,322
Proj# 4169652 SR 500 (US 192) FROM DIKE ROAD TO MEADOW LANE					Length: 1.997 MI	*SIS*	
Type of Work: LIGHTING							
					LRTP#: Page 71		
CST	DS	350,000	0	0	0	0	350,000
	Total	350,000	0	0	0	0	350,000
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		350,000

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4169653 SR 500 (US 192) FROM MEADOW LANE TO DAIRY ROAD							
Type of Work: LIGHTING							
Description: Goes with Project No. 4169652							
CST	DS	400,000	0	0	0	0	400,000
Total		400,000	0	0	0	0	400,000
<i>Prior Years Cost</i>		<i>166,550</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>566,550</i>
Proj# 4240141 COCOA OPERATIONS COMPLEX MAJOR PHASE I & PHASE II CONSTRUCTION							
Type of Work: FIXED CAPITAL OUTLAY							
Length: 2.011 MI							
SIS							
LRTP#: Page 71							
CST	FCO	12,000,000	4,000,000	0	0	0	16,000,000
Total		12,000,000	4,000,000	0	0	0	16,000,000
<i>Prior Years Cost</i>		<i>2,000,000</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>18,000,000</i>
Proj# 4256781 PAVEMENT MARKINGS/RPM'S VARIOUS LOCATIONS							
Type of Work: ROUTINE MAINTENANCE							
Length: .000 MI							
Non-SIS							
LRTP#: Page 18, Bullet 8							
MNT	D	400,000	0	0	0	0	400,000
Total		400,000	0	0	0	0	400,000
<i>Prior Years Cost</i>		<i>1,486,765</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,886,765</i>
Proj# 4287531 SRA1A (ATLANTIC AVE) FROM N OF SR500 US 192 TO S OF SR 404							
Type of Work: RESURFACING							
Length: 8.487 MI							
Non-SIS							
RSP							
LRTP#: Page 18, Bullet 8							
CST	LF	120,862	0	0	0	0	120,862
CST	SA	249,510	0	0	0	0	249,510
CST	DDR	7,925,332	0	0	0	0	7,925,332
CST	NHRE	3,582,206	0	0	0	0	3,582,206
Total		11,877,910	0	0	0	0	11,877,910
<i>Prior Years Cost</i>		<i>839,510</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>12,717,420</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4288761 US 1 (SR 5) FROM N OF CIDCO RD TO N OF GOLDEN KNIGHTS BLVD					Length: 7.196 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					LRTP#: Page 18, Bullet 8		
PE	DIH	4,440	0	0	0	0	4,440
CST	DIH	94,159	0	0	0	0	94,159
CST	NHRE	25,794	0	0	0	0	25,794
Total		124,393	0	0	0	0	124,393
<i>Prior Years Cost</i>		224,637	<i>Future Years Cost</i>		<i>Total Project Cost</i>		349,030
Proj# 4289301 BREVARD COUNTY ITS OPERATIONAL SUPPORT					Length: .000 MI	*Non-SIS*	
Type of Work: ITS COMMUNICATION SYSTEM					LRTP#: Page 76		
OPS	SU	225,000	225,000	225,000	225,000	225,000	1,125,000
Total		225,000	225,000	225,000	225,000	225,000	1,125,000
<i>Prior Years Cost</i>		1,065,000	<i>Future Years Cost</i>		<i>Total Project Cost</i>		2,190,000
Proj# 4292761 DRAINAGE REPAIRS					Length: .000 MI	*Non-SIS*	
Type of Work: ROUTINE MAINTENANCE					LRTP#: Page 18, Bullet 8		
MNT	D	1,500,000	0	0	0	0	1,500,000
Total		1,500,000	0	0	0	0	1,500,000
<i>Prior Years Cost</i>		3,665,280	<i>Future Years Cost</i>		<i>Total Project Cost</i>		5,165,280
Proj# 4306571 SR5 (US1) FROM LAW ST TO POST RD					Length: 2.841 MI	*Non-SIS*	
Type of Work: RESURFACING					LRTP#: Page 18, Bullet 8		
CST	DS	0	528,200	0	0	0	528,200
CST	DIH	0	398,403	0	0	0	398,403
CST	SA	0	3,989,806	0	0	0	3,989,806
Total		0	4,916,409	0	0	0	4,916,409
<i>Prior Years Cost</i>		408,085	<i>Future Years Cost</i>		<i>Total Project Cost</i>		5,324,494

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4306581 SR 508 FROM EDDIE ALLEN RD TO SR 5 (US1)							
Type of Work: RESURFACING							
Description: MILL AND REPAVE EXISTING ASPHALT PAVEMENT							
PE	DIH	11,467	0	0	0	0	11,467
CST	DIH	70,661	0	0	0	0	70,661
CST	DDR	186,246	0	0	0	0	186,246
Total		268,374	0	0	0	0	268,374
<i>Prior Years Cost</i>		<i>2,024,828</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>2,293,202</i>
Proj# 4306661 SR 500 (US 192) BABCOCK ST TO BEGINNING OF THE MELBOURNE CAUSEWAY							
Type of Work: RESURFACING							
Description: MILL AND REPAVE EXISTING ASPHALT PAVEMENT							
RRU	DDR	12,000	0	0	0	0	12,000
CST	DS	1,538,115	0	0	0	0	1,538,115
CST	SA	1,672,029	0	0	0	0	1,672,029
CST	DDR	10,270	0	0	0	0	10,270
CST	NHRE	159,943	0	0	0	0	159,943
Total		3,392,357	0	0	0	0	3,392,357
<i>Prior Years Cost</i>		<i>313,297</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>3,705,654</i>
Proj# 4306671 SR A1A S OF SHERRY LEE LANE TO NORTH OF SUNFLOWER ST							
Type of Work: RESURFACING							
Description: MILL AND REPAVE EXISTING ASPHALT PAVEMENT							
PE	DS	531,491	0	0	0	0	531,491
CST	DS	2,022,536	0	0	0	0	2,022,536
CST	DIH	42,342	0	0	0	0	42,342
CST	SU	325,565	0	0	0	0	325,565
CST	SA	24,927	0	0	0	0	24,927
Total		2,946,861	0	0	0	0	2,946,861
<i>Prior Years Cost</i>		<i>621,799</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>3,568,660</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4306672 SR A1A SB ONE WAY PAIR TO ATLANTIC AVE					Length: 2.975 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					L RTP#: Page 18, Bullet 8		
PE	DS	699,955	0	0	0	0	699,955
CST	DS	1,674,484	0	0	0	0	1,674,484
CST	DIH	149,012	0	0	0	0	149,012
CST	SU	325,565	0	0	0	0	325,565
Total		2,849,016	0	0	0	0	2,849,016
<i>Prior Years Cost</i>		<i>510,873</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>3,359,889</i>
Proj# 4311641 SR 520 AT RIVEREDGE BLVD					Length: .020 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC SIGNALS					L RTP#: Page 18, Bullet 8		
CST	DS	10,270	0	0	0	0	10,270
CST	DIH	264,966	0	0	0	0	264,966
CST	DDR	204,487	0	0	0	0	204,487
Total		479,723	0	0	0	0	479,723
<i>Prior Years Cost</i>		<i>269,505</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>749,228</i>
Proj# 4319231 WICKAM RD INTERSECTION AT POST					Length: .002 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC OPS IMPROVEMENT					Lead Agency: CITY OF MELBOURNE L RTP#: Page 18, Bullet 8		
ROW	LF	0	225,000	0	0	0	225,000
ROW	CIGP	0	225,000	0	0	0	225,000
Total		0	450,000	0	0	0	450,000
<i>Prior Years Cost</i>		<i>70,000</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>520,000</i>
Proj# 4319241 WICKHAM RD EAU GALLIE INTERSECTION SOUTH BOUND RIGHT					Length: .055 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC OPS IMPROVEMENT					Lead Agency: CITY OF MELBOURNE L RTP#: Page 18, Bullet 8		
ROW	LF	0	250,000	0	0	0	250,000
ROW	CIGP	0	250,000	0	0	0	250,000
Total		0	500,000	0	0	0	500,000
<i>Prior Years Cost</i>		<i>82,900</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>582,900</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4319242 WICKHAM RD EAU GALLIE INTERSECTION NORTH BOUND					Length: .107 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC OPS IMPROVEMENT					Lead Agency: CITY OF MELBOURNE		
					LRTP#: Page 18, Bullet 8		
CST	LF	0	150,000	0	0	0	150,000
CST	CIGP	0	150,000	0	0	0	150,000
Total		0	300,000	0	0	0	300,000
<i>Prior Years Cost</i>		82,900	<i>Future Years Cost</i>		<i>Total Project Cost</i>		382,900
Proj# 4323421 SR 518 WEST OF EAU GALLIE CANAL TO PINEAPPLE					Length: 1.700 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					LRTP#: Page 18, Bullet 8		
RRU	DS	12,000	0	0	0	0	12,000
CST	DS	1,194,328	0	0	0	0	1,194,328
CST	DIH	63,349	0	0	0	0	63,349
Total		1,269,677	0	0	0	0	1,269,677
<i>Prior Years Cost</i>		541,968	<i>Future Years Cost</i>		<i>Total Project Cost</i>		1,811,645
Proj# 4323981 SR 46 FROM W OF PALM AVE TO SR 5 (US1)					Length: 1.162 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					LRTP#: Page 18, Bullet 8		
PE	DIH	22,000	0	0	0	0	22,000
PE	DS	410,000	0	0	0	0	410,000
CST	DS	0	0	174,334	0	0	174,334
CST	DIH	0	0	136,465	0	0	136,465
CST	SA	0	0	1,038,791	0	0	1,038,791
Total		432,000	0	1,349,590	0	0	1,781,590
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		1,781,590
Proj# 4323991 SR 406 FROM E OF PETTY CIRCLE TO WASHINGTON AVE (SR5 NORTH)					Length: .864 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					LRTP#: Page 18, Bullet 8		
PE	DIH	22,000	0	0	0	0	22,000
PE	DS	315,000	0	0	0	0	315,000
CST	DIH	0	0	131,390	0	0	131,390
CST	SA	0	0	1,168,407	0	0	1,168,407
Total		337,000	0	1,299,797	0	0	1,636,797
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		1,636,797

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4324121 SR 406 W OF SINGLETON AVE TO E OF SINGLETON AVE					Length: .216 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC SIGNAL UPDATE					L RTP#: Page 76		
CST	DS	354,365	0	0	0	0	354,365
CST	SA	51,826	0	0	0	0	51,826
CST	HSP	397,764	0	0	0	0	397,764
Total		803,955	0	0	0	0	803,955
<i>Prior Years Cost</i>		<i>521,085</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,325,040</i>
Proj# 4324371 SR 5 (US1) E OF GOLDEN KNIGHTS TO W OF SR50(OLD CHENEY HWY)					Length: 3.008 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					L RTP#: Page 18, Bullet 8		
CST	DS	0	498,133	0	0	0	498,133
CST	DIH	0	400,575	0	0	0	400,575
CST	SA	0	1,105,367	0	0	0	1,105,367
CST	NHRE	0	2,764,893	0	0	0	2,764,893
Total		0	4,768,968	0	0	0	4,768,968
<i>Prior Years Cost</i>		<i>525,000</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>5,293,968</i>
Proj# 4324431 SR 520 FROM TUCKER LANE TO AURORA ROAD					Length: 3.046 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					L RTP#: Page 18, Bullet 8		
Description: Goes With Project No. 4325921							
CST	DS	0	469,816	0	0	0	469,816
CST	DIH	0	392,885	0	0	0	392,885
CST	DDR	0	3,807,026	0	0	0	3,807,026
Total		0	4,669,727	0	0	0	4,669,727
<i>Prior Years Cost</i>		<i>601,263</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>5,270,990</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4332691 SR 404 OVER INDIAN RIVER							
Type of Work: BRIDGE-REPAIR/REHABILITATION							
Description: REPAIR SUBSTRUCTURE							
PE	DIH	2,366	0	0	0	0	2,366
CST	DIH	115,289	0	0	0	0	115,289
CST	BRRP	894,653	0	0	0	0	894,653
Total		1,012,308	0	0	0	0	1,012,308
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		1,012,308
Proj# 4344041 SR 5 (US 1) FROM LAGRANGE RD TO NORTH OF PARKER ST							
Type of Work: RESURFACING							
Description: Goes With Project No. 4344172							
PE	DIH	22,000	0	0	0	0	22,000
PE	DS	280,000	0	0	0	0	280,000
CST	DIH	0	0	220,562	0	0	220,562
CST	SA	0	0	10,790	0	0	10,790
CST	NHRE	0	0	1,943,274	0	0	1,943,274
Total		302,000	0	2,174,626	0	0	2,476,626
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		2,476,626
Proj# 4344171 SR A1A (ASTRONAUT BL VD) FROM OVER GEORGE KING BLVD TO SR 401							
Type of Work: RESURFACING							
Description: Goes With Project No. 4344172							
CST	DS	0	5,265	0	0	0	5,265
CST	DIH	0	190,394	0	0	0	190,394
CST	NHRE	0	2,563,609	0	0	0	2,563,609
Total		0	2,759,268	0	0	0	2,759,268
<i>Prior Years Cost</i>		315,797	<i>Future Years Cost</i>		<i>Total Project Cost</i>		3,075,065

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4344172 SR 520 FROM WEST OF BANANA RIVER BRIDGE TO SR A1A					Length: .583 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					LRTP#: Page 18, Bullet 8		
Description: Goes with Project No. 4344171							
CST	DS	0	776,696	0	0	0	776,696
CST	DIH	0	113,661	0	0	0	113,661
CST	DDR	0	119,890	0	0	0	119,890
Total		0	1,010,247	0	0	0	1,010,247
<i>Prior Years Cost</i>		288,792	<i>Future Years Cost</i>		<i>Total Project Cost</i>		1,299,039
Proj# 4344231 WICKHAM ROAD AT STADIUM PARKWAY					Length: .020 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC SIGNALS					LRTP#: Page 18, Bullet 8		
CST	SA	552,626	0	0	0	0	552,626
Total		552,626	0	0	0	0	552,626
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		552,626
Proj# 4346591 SR 46 FROM ROWLAND CT TO W OF CAMBRIDGE DR					Length: .356 MI	*Non-SIS*	*RSP*
Type of Work: DRAINAGE IMPROVEMENTS					LRTP#: Page 18, Bullet 8		
PE	DIH	1,914	0	0	0	0	1,914
CST	DIH	14,463	0	0	0	0	14,463
CST	DDR	252,033	0	0	0	0	252,033
Total		268,410	0	0	0	0	268,410
<i>Prior Years Cost</i>		220,111	<i>Future Years Cost</i>		<i>Total Project Cost</i>		488,521
Proj# 4347411 SR 5 (US 1) FROM N OF OTTER CREEK LN TO N OF OYSTER PLACE					Length: 4.261 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					LRTP#: Page 18, Bullet 8		
Description: Southbound Lanes Only							
PE	DIH	107,114	0	0	0	0	107,114
CST	DS	2,619,728	0	0	0	0	2,619,728
CST	DIH	200,162	0	0	0	0	200,162
Total		2,927,004	0	0	0	0	2,927,004
<i>Prior Years Cost</i>		150,000	<i>Future Years Cost</i>		<i>Total Project Cost</i>		3,077,004

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4347421 SR 5 (US 1) FROM N OF BONEVENTURE DR TO S OF PARK AVE					Length: 2.197 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					LRTP#: Page 18, Bullet 8		
CST	DS	0	5,265	0	0	0	5,265
CST	DIH	0	198,710	0	0	0	198,710
CST	DDR	0	1,884,418	0	0	0	1,884,418
Total		0	2,088,393	0	0	0	2,088,393
<i>Prior Years Cost</i>		282,182	<i>Future Years Cost</i>		<i>Total Project Cost</i>		2,370,575
Proj# 4350541 I-95 (SR 9) AT WICKHAM ROAD, SR 520 & SR 524					Length: 12.838 MI	*SIS*	
Type of Work: LIGHTING					LRTP#: Page 71		
PE	DIH	10,000	0	0	0	0	10,000
PE	DDR	340,000	0	0	0	0	340,000
PE	DS	194,000	0	0	0	0	194,000
CST	DI	0	1,391,189	0	0	0	1,391,189
CST	DIH	0	108,109	0	0	0	108,109
CST	HSP	0	2,966,989	0	0	0	2,966,989
Total		544,000	4,466,287	0	0	0	5,010,287
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		5,010,287
Proj# 4350551 I-95 (SR 9) AT PINEDA CAUSEWAY & FISKE BLVD					Length: 8.777 MI	*SIS*	
Type of Work: LIGHTING					LRTP#: Page 71		
CST	DI	2,836,770	0	0	0	0	2,836,770
CST	DS	20,540	0	0	0	0	20,540
CST	DIH	70,293	0	0	0	0	70,293
CST	DDR	127,662	0	0	0	0	127,662
Total		3,055,265	0	0	0	0	3,055,265
<i>Prior Years Cost</i>		366,697	<i>Future Years Cost</i>		<i>Total Project Cost</i>		3,421,962

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4350581 I-95 (SR 9) AT PORT ST.JOHN, SR 407 & SR 50					Length: 8.351 MI	*SIS*	
Type of Work: LIGHTING					L RTP#: Page 71		
PE	DIH	0	10,000	0	0	0	10,000
PE	DDR	0	260,000	0	0	0	260,000
CST	ACNP	0	0	3,443,172	0	0	3,443,172
Total		0	270,000	3,443,172	0	0	3,713,172
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		3,713,172
Proj# 4354331 SR 404 OVER INDIAN RIVER BRIDGES 700077 & 700143					Length: .432 MI	*Non-SIS*	*RSP*
Type of Work: BRIDGE-REPAIR/REHABILITATION					L RTP#: Page 18, Bullet 8		
CST	DIH	2,054	0	0	0	0	2,054
CST	BRRP	5,462,766	0	0	0	0	5,462,766
Total		5,464,820	0	0	0	0	5,464,820
<i>Prior Years Cost</i>		82,000	<i>Future Years Cost</i>		<i>Total Project Cost</i>		5,546,820
Proj# 4356471 SR A1A/ASTRONAUT BLVD FROM MCKINLEY/HOLMAN TO ATLANTIC AVE					Length: .978 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC SIGNALS					L RTP#: Page 18, Bullet 8		
PE	DIH	0	5,000	0	0	0	5,000
PE	DDR	0	575,000	0	0	0	575,000
CST	DS	0	0	746,668	0	0	746,668
CST	DIH	0	0	110,225	0	0	110,225
Total		0	580,000	856,893	0	0	1,436,893
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		1,436,893
Proj# 4356481 SR A1A/ASTRONAUT BLV D FR S OF BUCHANAN AVE TO N OF BUCHANAN AVE					Length: .038 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC SIGNAL UPDATE					L RTP#: Page 18, Bullet 8		
PE	DIH	5,000	0	0	0	0	5,000
PE	DDR	175,000	0	0	0	0	175,000
Total		180,000	0	0	0	0	180,000
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		180,000

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4356491 SR A1A/ASTRONAUT BLVD AT MCKINLEY AVE/HOLMAN AVE					Length: .038 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC SIGNAL UPDATE					LRTP#: Page 18, Bullet 8		
PE	DIH	5,000	0	0	0	0	5,000
PE	DDR	200,000	0	0	0	0	200,000
Total		205,000	0	0	0	0	205,000
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		205,000
Proj# 4356511 SR 5/US 1 FROM SR 508 (NASA) TO CHERRY ST					Length: .447 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC SIGNALS					LRTP#: Page 18, Bullet 8		
PE	DIH	0	5,000	0	0	0	5,000
PE	DDR	0	320,000	0	0	0	320,000
CST	DS	0	0	382,060	0	0	382,060
CST	DIH	0	0	100,556	0	0	100,556
Total		0	325,000	482,616	0	0	807,616
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		807,616
Proj# 4356521 SR 5/US 1 AT HIBISCUS BALLARD AND US 192 INTERSECTIONS					Length: 2.800 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC SIGNAL UPDATE					LRTP#: Page 18, Bullet 8		
PE	DIH	2,366	0	0	0	0	2,366
PE	DS	54,016	0	0	0	0	54,016
ROW	DS	0	335,000	230,000	240,000	99,000	904,000
ROW	DIH	0	32,000	32,000	26,000	0	90,000
CST	DS	0	0	0	836,636	0	836,636
CST	DIH	0	0	0	0	112,374	112,374
Total		56,382	367,000	262,000	1,102,636	211,374	1,999,392
<i>Prior Years Cost</i>		500,000	<i>Future Years Cost</i>		<i>Total Project Cost</i>		2,499,392

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4356551 SR 5/US 1 FROM PROSPECT AVE TO NEW HAVEN AVE					Length: .038 MI	*Non-SIS*	*RSP*
Type of Work: TRAFFIC SIGNALS					LRTP#: Page 18, Bullet 8		
Description: Two Intersections: US 1 at Prospect and US 1 at New Haven							
PE	DIH	723	0	0	0	0	723
PE	DS	208,171	0	0	0	0	208,171
CST	DS	0	0	479,832	0	0	479,832
CST	DIH	0	0	74,278	0	0	74,278
Total		208,894	0	554,110	0	0	763,004
<i>Prior Years Cost</i>		<i>505,000</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,268,004</i>
Proj# 4356581 SR 46 (W MAIN STREET) FROM VOLUSIA CO LINE TO WEST OF CARPENTER RD					Length: 5.592 MI	*Non-SIS*	*RSP*
Type of Work: RESURFACING					LRTP#: Page 18, Bullet 8		
PE	DIH	22,000	0	0	0	0	22,000
PE	DS	420,000	0	0	0	0	420,000
CST	DIH	0	0	303,966	0	0	303,966
CST	SA	0	0	2,956,197	0	0	2,956,197
Total		442,000	0	3,260,163	0	0	3,702,163
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>3,702,163</i>
Proj# 4362361 I-95 @ SR/CR 519 RAMPS 066/067					Length: .239 MI	*SIS*	
Type of Work: SKID HAZARD OVERLAY					LRTP#: Page 18, Bullet 8		
PE	DIH	5,000	0	0	0	0	5,000
PE	HSP	100,000	0	0	0	0	100,000
CST	HSP	0	0	130,937	0	0	130,937
Total		105,000	0	130,937	0	0	235,937
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>235,937</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4362371 SR 5 (US 1) @ SUNTREE BOULEVARD					Length: .001 MI	*Non-SIS*	*RSP*
Type of Work: INTERSECTION (MODIFY)					LRTTP#: PAGE 76		
PE	DIH	5,000	0	0	0	0	5,000
PE	HSP	600,000	0	0	0	0	600,000
CST	HSP	0	0	856,797	0	0	856,797
Total		605,000	0	856,797	0	0	1,461,797
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		1,461,797
Proj# 4369341 US 192 OVER INDIAN RIVER IWW BRIDGES 700174 & 700181					Length: .491 MI	*Non-SIS*	*RSP*
Type of Work: BRIDGE-REPAIR/REHABILITATION					LRTTP#: Page 18, Bullet 8		
CST	DS	10,270	0	0	0	0	10,270
CST	DIH	2,054	0	0	0	0	2,054
CST	BRRP	1,109,372	0	0	0	0	1,109,372
Total		1,121,696	0	0	0	0	1,121,696
<i>Prior Years Cost</i>		33,623	<i>Future Years Cost</i>		<i>Total Project Cost</i>		1,155,319
Proj# 4369361 SR 520 OVER INDIAN RIVER HUBERT HUMPHREY BRIDGES 700061 & 700137					Length: .862 MI	*Non-SIS*	*RSP*
Type of Work: BRIDGE-REPAIR/REHABILITATION					LRTTP#: Page 18, Bullet 8		
CST	DIH	2,054	0	0	0	0	2,054
CST	BRRP	2,522,608	0	0	0	0	2,522,608
Total		2,524,662	0	0	0	0	2,524,662
<i>Prior Years Cost</i>		17,000	<i>Future Years Cost</i>		<i>Total Project Cost</i>		2,541,662
Proj# 4370571 SR 5 (US1) FROM BUSTON INC POST RD TO OTTER CREEK LANE					Length: 2.678 MI	*Non-SIS*	*RSP*
Type of Work: DRAINAGE IMPROVEMENTS					LRTTP#: Page 18, Bullet 8		
CST	DS	1,351,566	0	0	0	0	1,351,566
CST	DIH	153,403	0	0	0	0	153,403
Total		1,504,969	0	0	0	0	1,504,969
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		1,504,969

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Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4370921 BREVARD COUNTYWIDE DECK REHABILITATION AND SEALING							*Non-SIS*
Type of Work: BRIDGE-REPAIR/REHABILITATION							
					LRTP#: Page 18, Bullet 8		
PE	DIH	2,000	0	0	0	0	2,000
PE	DS	10,000	0	0	0	0	10,000
Total		12,000	0	0	0	0	12,000
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>12,000</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Section D - Complete Streets

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4302061 BREVARD COUNTYWIDE COMPLETE STREETS FEASIBILITY STUDY RESERVE					Length: .000 MI	*Non-SIS*	
Type of Work: CORRIDOR/SUBAREA PLANNING							
Description: RESERVE BOX FOR PROJECTS IN COMPLETE STREETS CONCEPT THAT HAVE NOT YET BEEN SPECIFICALLY IDENTIFIED.							
CST	SU	978,508	0	0	0	0	978,508
Total		978,508	0	0	0	0	978,508
<i>Prior Years Cost</i>		<i>374,055</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,352,563</i>
Proj# 4354241 FLORIDA AVENUE FROM KING STREET TO 400' SOUTH OF ROSA L JONES					Length: .457 MI	*Non-SIS*	
Type of Work: MISCELLANEOUS CONSTRUCTION							
Lead Agency: CITY OF COCOA LRTP#: page 76							
CST	LF	163,800	0	0	0	0	163,800
CST	SU	918,000	0	0	0	0	918,000
Total		1,081,800	0	0	0	0	1,081,800
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,081,800</i>
Proj# 4354291 HICKORY STREET FROM NEW HAVEN AVENUE TO NASA BLVD					Length: .961 MI	*Non-SIS*	
Type of Work: MISCELLANEOUS CONSTRUCTION							
Lead Agency: CITY OF MELBOURNE LRTP#: page 76							
CST	LF	400,000	0	0	0	0	400,000
CST	SU	2,490,000	0	0	0	0	2,490,000
Total		2,890,000	0	0	0	0	2,890,000
<i>Prior Years Cost</i>		<i>905,000</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>3,795,000</i>
Proj# 4354301 HOPKINS STREET FROM SR 50 TO Grace Street					Length: 3.131 MI	*Non-SIS*	*RSP*
Type of Work: MISCELLANEOUS CONSTRUCTION							
Lead Agency: CITY OF TITUSVILLE LRTP#: PAGE 76							
PE	SU	1,000,000	0	0	0	0	1,000,000
CST	LF	0	770,304	0	0	0	770,304
CST	SU	0	5,530,520	0	0	0	5,530,520
CST	SA	0	116,676	0	0	0	116,676
Total		1,000,000	6,417,500	0	0	0	7,417,500
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>7,417,500</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Section E - Bicycle, Pedestrian and Trail Projects

ADOPTED JULY 9, 2015 FY 16 - FY 2020, AMENDED 10/8/2015

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4240404 ECF RAIL TRAIL FROM KINGMAN ROAD TO VOLUSIA COUNTY LINE							
Type of Work: BIKE PATH/TRAIL							
Description: Project Development and Environmental Phase on FM No. 424040-1 Design Build							
PE	DIH	4,590	0	0	0	0	4,590
CST	ACTU	73,268	0	0	0	0	73,268
CST	RED	8,266	0	0	0	0	8,266
CST	TALU	62,316	0	0	0	0	62,316
Total		148,440	0	0	0	0	148,440
<i>Prior Years Cost</i>		<i>7,883,490</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>8,031,930</i>
Proj# 4269044 I-95 (SR 9) S OF ST JOHNS HERITAGE PKWY TO PALM BAY PKWY							
Type of Work: LANDSCAPING							
Description: Goes with Project No. 4269043 (Interchange New)							
CST	DS	0	0	377,650	0	0	377,650
CST	DIH	0	0	37,765	0	0	37,765
Total		0	0	415,415	0	0	415,415
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>415,415</i>
Proj# 4319251 ZOO TRAIL FROM CELL TOWER N OF PINEDA TO TURTLE MOUND RD							
Type of Work: BIKE PATH/TRAIL							
Description: Project Development and Environmental Phase on FM No. 4319251-1 Design Build							
CST	TALT	0	2,224,699	0	0	0	2,224,699
CST	TALU	0	570,213	0	0	0	570,213
CST	SA	0	382,498	0	0	0	382,498
Total		0	3,177,410	0	0	0	3,177,410
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>3,177,410</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4325921 SR 520 FROM TUCKER LANE TO E OF AURORA RD					Length: 3.085 MI MI	*Non-SIS*	*RSP*
Type of Work: SIDEWALK					LRTP#: PAGE 93, MAP 25		
Description: Goes With Project No. FM 4324431							
CST	SA	177,160	0	0	0	0	177,160
CST	HSP	1,735,664	0	0	0	0	1,735,664
Total		1,912,824	0	0	0	0	1,912,824
<i>Prior Years Cost</i>		<i>305,321</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>2,218,145</i>
Proj# 4329521 SHERWOOD ELEMENTARY SIDEWALK FROM WARWICK RD TO POST RD					Length: .460 MI MI	*Non-SIS*	
Type of Work: SIDEWALK					LRTP#: PAGE 93, MAP 25		
CST	HSP	215,928	0	0	0	0	215,928
Total		215,928	0	0	0	0	215,928
<i>Prior Years Cost</i>		<i>27,301</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>243,229</i>
Proj# 4361871 GARDEN STREET (SR406) FROM SINGLETON AVENUE TO US1 (NORTH BOUND LANE)					Length: 1.954 MI	*Non-SIS*	
Type of Work: BIKE PATH/TRAIL					LRTP#: PAGE 93, MAP 24		
PDE	DDR	0	450,000	0	0	0	450,000
PDE	DIH	0	4,500	0	0	0	4,500
PE	DIH	0	0	0	8,000	0	8,000
PE	DDR	0	0	0	800,000	0	800,000
Total		0	454,500	0	808,000	0	1,262,500
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,262,500</i>
Proj# 4370931 SPACE COAST TRAIL FROM MAX BREWER CAUSEWAY TO ATLANTIC OCEAN					Length: .000 MI	*Non-SIS*	
Type of Work: BIKE PATH/TRAIL					LRTP#: PAGE 93, MAP 24		
PDE	TALT	430,000	0	0	0	0	430,000
PE	DIH	0	0	8,000	0	0	8,000
PE	DS	0	0	802,660	0	0	802,660
Total		430,000	0	810,660	0	0	1,240,660
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,240,660</i>

Section F - Transit and Transportation Disadvantaged Projects

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4206421 BREVARD-SPACE COAST AREA TRANSIT SCAT BUS SERVICE SR 520					Length: .000 MI	*Non-SIS*	
Type of Work: TRANSIT SERVICE DEMONSTRATION					Lead Agency: Space Coast Area Transit		
					LRTP#: PAGE 85, MAP 21		
OPS	DPTO	385,500	385,500	397,065	419,257	436,027	2,023,349
	Total	385,500	385,500	397,065	419,257	436,027	2,023,349
<i>Prior Years Cost</i>		3,616,556	<i>Future Years Cost</i>		<i>Total Project Cost</i>		5,639,905
Proj# 4206431 BREVARD-SPACE COAST AREA TRANSIT SCAT A1A BEACH TROLLEY					Length: .000 MI	*Non-SIS*	
Type of Work: TRANSIT SERVICE DEMONSTRATION					Lead Agency: Space Coast Area Transit		
					LRTP#: PAGE 85, MAP 21		
OPS	DPTO	385,500	385,500	397,065	419,257	436,027	2,023,349
	Total	385,500	385,500	397,065	419,257	436,027	2,023,349
<i>Prior Years Cost</i>		3,616,555	<i>Future Years Cost</i>		<i>Total Project Cost</i>		5,639,904
Proj# 4241241 BREVARD-SCAT / BLOCK GRANT-FIXED RTE OPER COST FTA SECTION #5307					Length: .000 MI	*Non-SIS*	
Type of Work: OPERATING FOR FIXED ROUTE					Lead Agency: Space Coast Area Transit		
					LRTP#: PAGE 81		
OPS	DPTO	1,584,308	1,583,581	0	0	0	3,167,889
OPS	LF	3,000,000	3,000,000	0	0	0	6,000,000
OPS	FTA	330,000	330,000	0	0	0	660,000
	Total	4,914,308	4,913,581	0	0	0	9,827,889
<i>Prior Years Cost</i>		14,590,032	<i>Future Years Cost</i>		<i>Total Project Cost</i>		24,417,921
Proj# 4314021 BREVARD-SECTION 5303 SPACE COAST TPO PLANNING STUD IES					Length: .000 MI	*Non-SIS*	
Type of Work: PTO STUDIES					Lead Agency: Space Coast Area Transit		
					LRTP#: Page 81		
PLN	DU	0	138,121	142,264	142,264	146,532	569,181
PLN	DPTO	0	17,265	17,783	17,783	18,495	71,326
PLN	LF	0	17,265	17,783	17,783	18,495	71,326
	Total	0	172,651	177,830	177,830	183,522	711,833
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		711,833

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4333031 BREVARD-BLOCK GRANT OPERATING ASSISTANCE FOR FIXED ROUTE SEC 5307					Length: .000 MI		*Non-SIS*
Type of Work: OPERATING FOR FIXED ROUTE					Lead Agency: Space Coast Area Transit		
					LRTP#: PAGE 81		
OPS	DPTO	0	0	1,624,519	1,678,151	1,762,058	5,064,728
OPS	LF	0	0	1,624,519	1,678,151	1,762,058	5,064,728
Total		0	0	3,249,038	3,356,302	3,524,116	10,129,456
		<i>Prior Years Cost</i>		<i>Future Years Cost</i>		<i>Total Project Cost</i>	<i>10,129,456</i>
Proj# 4351771 BREVARD-SPACE COAST AREA TRANSIT							*Non-SIS*
Type of Work: TRANSIT SERVICE DEMONSTRATION					Lead Agency: Space Coast Area Transit		
					LRTP#: PAGE 81		
Description: SERVICE DEVELOPMENT PROGRAM / NEW FIXED ROUTE BETWEEN TITUSVILLE AND ORLANDO							
OPS	DDR	168,114	0	0	0	0	168,114
OPS	LF	168,114	0	0	0	0	168,114
Total		336,228	0	0	0	0	336,228
		<i>Prior Years Cost</i>		<i>Future Years Cost</i>		<i>Total Project Cost</i>	<i>336,228</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Section H - Seaport, Spaceport, Rail and Freight Projects

ADOPTED JULY 9, 2015 FY 16 - FY 2020, AMENDED 10/8/2015

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4361221 SR 405 SPACEPORT CONNECTOR SIS INTERSECTION IMPROVEMENTS					Length: 2.712 MI	*SIS*	
Type of Work: ADD LEFT TURN LANE(S)					LRTP#: Page 125		
PE	ACNP	0	1,055,000	0	0	0	1,055,000
CST	ACNP	0	0	0	0	2,174,764	2,174,764
Total		0	1,055,000	0	0	2,174,764	3,229,764
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		3,229,764

Section I - Transportation Planning

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# 4179581 BREVARD URBAN AREA UPWP					Length: .000 MI	*Non-SIS*	
Type of Work: TRANSPORTATION PLANNING							
PLN	PL	644,661	644,661	644,661	644,661	644,661	3,223,305
Total		644,661	644,661	644,661	644,661	644,661	3,223,305
<i>Prior Years Cost</i>		<i>5,186,389</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>8,409,694</i>
Proj# 4224381 BREVARD-BREVARD MPO SECTION 5303 PLANNING STUDIES/SUPPORT					Length: .000 MI	*Non-SIS*	
Type of Work: PTO STUDIES							
Lead Agency: Space Coast Area Transit							
LRTP#: Page 81							
PLN	DU	138,121	0	0	0	0	138,121
PLN	DPTO	17,265	0	0	0	0	17,265
PLN	LF	17,265	0	0	0	0	17,265
Total		172,651	0	0	0	0	172,651
<i>Prior Years Cost</i>		<i>864,043</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>1,036,694</i>
Proj# 4333821 BREVARD COUNTY TRANSPORTATION ALTERNATES BIKE/PED & TRAIL PROJECTS					Length: .000 MI	*Non-SIS*	
Type of Work: BIKE PATH/TRAIL							
LRTP#: page 91							
PE	TALU	578,558	8,560	578,747	578,686	578,635	2,323,186
Total		578,558	8,560	578,747	578,686	578,635	2,323,186
<i>Prior Years Cost</i>		<i>154,679</i>	<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>2,477,865</i>
Proj# 4333831 BREVARD COUNTY TRANSPORTATION ALTERNATE CAPACITY PROJECTS					Length: .000 MI	*Non-SIS*	
Type of Work: CORRIDOR/SUBAREA PLANNING							
PDE	SU	0	0	5,585,589	5,584,984	5,584,468	16,755,041
Total		0	0	5,585,589	5,584,984	5,584,468	16,755,041
<i>Prior Years Cost</i>			<i>Future Years Cost</i>		<i>Total Project Cost</i>		<i>16,755,041</i>

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Section J - Federal Lands Highway Program

Space Coast TPO Transportation Improvement Program - FY 2016 - 2020

Phase	Fund Source	2016	2017	2018	2019	2020	Total
Proj# FW MEIS 2014248737 MERRITT ISLAND NATIONAL WILDLIFE REFUGE						*Non-SIS*	
Type of Work: RESURFACING						Lead Agency: US Fish & Wildlife	
Description: Rehabilitate Shiloh Marsh Road (Route 133)							
CST	FLTP	250,000	0	0	0	0	250,000
	Total	250,000	0	0	0	0	250,000
<i>Prior Years Cost</i>			<i>Future Years Cost</i>			<i>Total Project Cost</i>	
							250,000
Proj# SER PMS FY16(1) Canaveral National Seashore						*Non-SIS*	
Type of Work: RESURFACING						Lead Agency: FEDERAL LANDS OFFICE	
CST	FLTP	5,000,000	0	0	0	0	5,000,000
	Total	5,000,000	0	0	0	0	5,000,000
<i>Prior Years Cost</i>			<i>Future Years Cost</i>			<i>Total Project Cost</i>	
							5,000,000