



Space Coast Transportation Planning Organization

Adopted 7/12/2018

FY 2019 Strategic Intermodal System (SIS) Projects

- A(1) – Highway Component
- A(2) – Other SIS Modes (Rail)
- A(3) – Canaveral Port Authority
- A(4) – Space Florida
- A(5) - Transit



SPACE COAST TRANSPORTATION PLANNING ORGANIZATION (SCTPO)
.....FY 2019 TRANSPORTATION PROJECT PRIORITIES FY 2020 - FY 2024
A(1). STRATEGIC INTERMODAL SYSTEM (SIS) - HIGHWAY COMPONENT

2019 PRIORITY	2018 PRIORITY	PROJECT NAME	ULTIMATE IMPLEMENTATION DESCRIPTION	PROGRAMMED PHASE FISCAL YEAR, FDOT PROJECT NO	PROPOSED PHASE	SIS FUNDS
1	1	ELLIS ROAD WIDENING at I-95	EXTEND/WIDEN ELLIS ROAD CONNECTION TO WICKHAM	DESIGN/DRAINAGE ANALYSIS UNDERWAY ROW \$10.7 M FY 21 - FY 23 (4269054)	CST	X
2	2	I-95 INTERCHANGES (COUNTYWIDE)	CONTINUE IMPLEMENTATION OF SYSTEM OPERATIONS IMPROVEMENT REPORT (SOAR) AND SIS CONNECTOR STUDIES AS NEEDED THROUGH SAFETY NEEDS	SOAR AND SIS CONNECOR STUDY NORTH & SOUTH SJHP INTERCHANGES; VIERA BLVD / PINEDA (FULLY FUNDED)	DES, ROW, CST AS NEEDED	X
3a	3a	SR 528 (BEACHLINE) WIDENING (TURNPIKE ENTERPRISE SECTION)	WIDEN FROM SR 520 TO SR 524 (INDUSTRY ROAD)	PD&E RE-EVALUATION (4371811)	DESIGN	X
3b	3b	SR 528 (BEACHLINE) WIDENING (FDOT SECTION)	WIDEN TO 6L FROM SR 524 TO PORT CANAVERAL INTCH INCLUDING RECREATIONAL TRAIL AND AMENITIES FROM US1 TO SR 401 INTERCHANGE	DESIGN UNDERWAY(4074023, 4074024)	ROW & CST	X
4	4a	405 BRIDGE REPLACEMENT / NASA CAUSEWAY	REPLACEMENT OF NASA CAUSEWAY BRIDGE	PD&E UNDERWAY (4404241) DESIGN (NASA)	CST	X
5	5	SR 401 BRIDGE REPLACEMENT	BRIDGE REPLACEMENT FROM SR 401 INTERCHANGE TO CAPE CANAVERAL AIR FORCE STATION	SIS CONNECTOR STUDY COMPLETE	PD&E	X
6 (NEW)		SR 404 WESTBOUND OFF-RAMP AT PATRICK AFB	NEW WEST BOUND OFF-RAMP / RELOCATION OF SOUTH GATE	FDOT CONCEPT FINALIZED	DESIGN	X
7	4b	SPACE COMMERCE WAY	WIDEN 2 TO 4 LANES AT EXPLORATION PARK W/ INTERSECTIONS TO INCLUDE MULTI-USE TRAIL	TRAFFIC STUDY UNDERWAY (KSC VISITOR COMPLEX)	DESIGN/BUILD	X

SPACE COAST TRANSPORTATION PLANNING ORGANIZATION (SCTPO)
FY 2019 TRANSPORTATION PROJECT PRIORITIES FY 2020 - FY 2024
A(2). OTHER SIS MODES - RAIL

2019 PRIORITY	2018 PRIORITY	PROJECT NAME	ULTIMATE IMPLEMENTATION DESCRIPTION	PROGRAMMED PHASE FISCAL YEAR, FDOT FM NO.	PROPOSED PHASE	SIS FUNDS
		MELBOURNE INTERNATIONAL AIRPORT FREIGHT RAIL IMPROVEMENTS	AND OFF-LOAD: BULK CARGO, CONTAINER BOXES, TRAILERS FOR SEMI-TRUCKS: INTERMODAL SIS FACILITY TO TRANSPORT FREIGHT TO AND FROM BOTH MELBOURNE AIRPORT AND I-95	DESIGN	CST	X
		COCOA/ROCKLEDGE PASSENGER RAIL STATION - AMTRACK	TO BE LOCATED IN EXISTING BUILDING AT THE SOUTHWEST INTERSECTION OF ROSA L JONES DRIVE AND US 1	FEASIBILITY STUDY / PD&E	DESIGN & CST	X
		MELBOURNE PASSENGER RAIL STATION - AMTRACK	TO BE LOCATED IN DOWNTOWN MELBOURNE, FRONTING STRAWBRIDGE AVE, ADJACENT TO NEW CITY PARKING STRUCTURE AND ONE BLOCK FROM MAIN STREET	FEASIBILITY STUDY / PD&E	DESIGN & CST	X
		TITUSVILLE PASSENGER RAIL STATION - AMTRACK	TO BE LOCATED AT FORMER STATION BUILDING IN HISTORIC DOWNTOWN TITUSVILLE ON PINE STREET	FEASIBILITY STUDY / PD&E	DESIGN & CST	X

Rail projects are not in any priority order

**A(3) Canaveral Port Authority
FY 2019/2020 - Prioritized Project Listing (TPO)**

Priority FY19/20	Priority FY18/19	Project Name	Estimated Project Cost	Funding Request for FY19/20	Project Description
1		Cruise Terminal Expansion	\$ 100,000,000	\$ 50,000,000	Redevelop 2 cruise berths, terminals, gangways and parking to support the new generation of LNG-powered cruise ships from a major cruise line that can accommodate up to approximately 4,000 passengers.
2	1	North Cargo Berth 3 and 4	\$ 65,000,000	\$ 32,500,000	This project consists of improvements to and expansion of North Cargo Berth (NCB) 3 and 4. NCB3&4 are dated and have deteriorated beyond their useful life and need rehabilitation. Cruise ships and cargo vessels accessing the West turn basin have increase in beam over the years since the construction of these two berths and the available channel width for passing ships has become a great concern. In order to accommodate growing width requirements of adjacent channel, both projects will include demolition of existing pier structure and wall, replacing with deep combi-wall, upland improvements and dredging. This project will be split between 2 phases. Phase 1 will be the NCB 3 and Phase 2 will be NCB 4.
3	3	North Cargo Berth 8 Extension	\$ 66,000,000	\$ 33,000,000	The berth extension of approximate 120 feet will design and construct an open pile pier at the southern end of the new bulkhead. This extension will allow for larger vessels to berth at this facility. In addition, 4 acres of upland paving and infrastructure improvements will be designed for construction.
4		North Cargo Berth 7 - RoRo	\$ 50,000,000	\$ 25,000,000	The Port proposes to develop NCB7 into a multipurpose cargo and roll on roll off (RO/RO) facility for the north side. The berth envisioned for this facility will allow for the transfer of automobiles, break bulk, bulk, containerized cargo. The new wall will receive a concrete cap, mooring bollards and fenders designed to withstand berthing loads imposed by. In addition, this project will include a pier extension to the South of approximately 180 feet.
5		North Cargo Berths 7 and 8 Uplands	\$ 20,000,000	\$ 10,000,000	Approximately 20 acres of the upland adjacent to NCB7&8 area will be paved with a heavy-duty pavement section to allow use of the berthing facility by a variety of cargo types. The upland improvements will include storm water, lighting, minor utility re-routing and required security fencing.
6		Port Central Intermodal Center	\$ 131,285,000	\$ 65,642,500	As part of the cruise program, "Port Central" would be an integrated transportation center creating space for: (1) Intermodal Center - Central N-S to E-W connectivity in Space Coast Central Florida and public and private commuter and long range bus service; (2) Consolidated Rental Car Center - single point for car rentals, relieve car rental locations, one single shuttle system and consolidated car ready/maintenance center; (3) Secondary Parking - overflow parking for all port terminals and use of same shuttle system. This project will also include a revised Port entrance roadway alignment and feature to compliment the retail and commercial activity within the consolidated rental car facility.
7	13	The Cove	\$ 44,551,000	\$ 22,275,500	The development of a central waterfront area using a cove theme. This calls for building upon the success of restaurant row by creating an inner cove area to offer opportunities for more waterfront venues in a different setting. Shallow water berthing space is created for recreational marine and commercial fishermen. This new cove area is a working waterfront concept including a section for work boats. A central area for tugs and service vessels, along with a necessary maintenance yard, will be a critical component. New roads, parking and stormwater ponds and related improvements to support commercial development of the cove area of Port Canaveral.

**A(3) Canaveral Port Authority
FY 2019/2020 - Prioritized Project Listing (TPO)**

Priority FY19/20	Priority FY18/19	Project Name	Estimated Project Cost	Funding Request for FY19/20	Project Description
8	6	Cargo Pier Improvements (SCP 1 and 4)	\$ 11,000,000	\$ 5,500,000	Widen South Cargo Pier 1 to facilitate improved cargo handling capability and extend South Cargo Pier 4 eastward to connect with South Cargo Pier 3 to create a much larger continuous berth to accommodate larger and/or additional cargo ships at the south cargo terminal complex.
9	15	SR401 Road and Bridge Structure Improvements			FDOT FY-19 Funding of PD&E, added to SCTPO Long Range Transportation Plan

**Space Transportation Improvement Program Funding Summary
2017 Cape Canaveral Spaceport Master Plan Amendment 2 (June 2018)
5 f Recommended Projects**

STATE FISCAL YEAR	2012 - 2018 PAST		2019 PRESENT	2020-2024 FUTURE		2024
MASTER PLAN STRATEGIC OBJECTIVES	HISTORICAL FDOT FUNDING (7 YEARS)		AVAILABLE FDOT FUNDING (1 YEAR)	FDOT PROGRAMMED (5 YEARS)	PLANNED REQUIREMENTS (5 YEARS)	PROPOSED 5TH YEAR PLANNED (1 YEAR)
VERTICAL LAUNCH IMPROVEMENTS (including heavy lift, cargo, and passengers)	\$10,000,000 LC 40	\$5,000,000 CCS Electrical*	\$5,000,000 CCS Electrical*	\$30,000,000	\$465,833,127	\$47,000,000
	\$10,000,000 LC 39A	\$2,750,000 CCS Roads EDTF				
	\$43,700,000 LC 36	\$20,000,000 C3PF				
	\$6,150,000 LC 41	\$6,500,000 LC 46				
PROCESSING & RANGE IMPROVEMENTS	\$9,000,000 OPF 1&2	\$1,850,000 LC 17/18	\$8,600,000 Ex Park SIF*	\$55,900,000	\$508,333,000	\$51,000,000
	\$10,000,000 Exploration Park	\$8,900,000 Ex Park SIF*				
	\$9,000,000 OPF 1&2					
HORIZONTAL LAUNCH & LANDING IMPROVEMENTS			\$1,634,800 Horizontal Launch & Landing Improvements**	\$32,134,800	\$24,402,205	\$2,000,000
COMMON USE IMPROVEMENTS			\$56,129,417 Common Use Improvements***	\$86,726,891	\$577,305,000	\$115,000,000
PENDING APPLICATIONS						
TOTALS	\$ 142,850,000		\$ 104,664,217	\$ 204,761,691	\$ 1,575,873,332	\$ 215,000,000
ANNUAL AVERAGE (EXCLUDING MATCH)	\$ 20,407,143			\$ 40,952,338	\$ 157,587,333	

* Includes FY19 Deferred Reimbursement, **Assumes 50% match *** Assumes no match for State Common Use Infrastructure

A(5) SPACE COAST AREA TRANSIT

Rank	Project type	Project	Description
1	Service Expansion	All Routes	Expansion of current service hours and frequencies.
2	New Service	Heritage - West Melbourne	Weekday/ Weekend 60-minute headways Service to Heritage High School, Goodwill-west US 192, Melbourne Square Mall, Promise in Brevard facilities and Hammock Landing.
3	Planning	TAM Plan	Development and implementation of Transit Asset Management Plan
4	Planning	COA	Selection of General Planning Consultant for task of completing Comprehensive Operational Analysis Study
5	Planning	TDSP Update	2020-2024 Update to the Transportation Disadvantaged Service Plan
6	Capital	Shop Renovation	Melbourne Maintenance Shop Renovation
7	Capital	Expand and improve bus stop infrastructure	Bus stop improvements for ADA compliance and Bus Shelter construction in unincorporated county areas and cities
8	New Service	Paratransit Service Expansion	Expansion of service to Promise in Brevard residential facility on Norfolk Pkwy.
9	ITS	Remix Scheduling Software migration	Migration to Remix Scheduling Software for fixed route scheduling and operator work schedules.
10	ITS	CAD/AVL	ITS Software and Hardware implementation for automated stop annunciator, automatic passenger counters, vehicle location tracking, management of vehicle operations and providing real time schedule information to riders.
11	ITS	Mobile Payment Application	Fare policy change: Eliminate use of transfers: Implement Day Pass and electronic/mobile fare payment application
12	Capital	Replace/Add New Vehicles	Fleet Replacement Program
13	Capital	Transit Hub	Development of new Cocoa Transit Center served by multiple transit routes
14	Capital	Call Center Capacity	Assess and create adequate capacity