







Andy Duce Program Manager Spaceport Development





## Project Scope & Deliverables



• The U.S. Space Force's Range of the Future 2028 Strategic Intent identified the requirement to increase launch posture over the next 10 years. Infrastructure must be improved to meet this new requirement.

#### Primary Goals:

- Range must be able to support launching EVERY day.
- Range must be able to support multiple launches per day.
- Range must eliminate all critical day restrictions.
- Establish infrastructure redundancy and resiliency.
- Reduce personnel impacts associated with launch and landing activities.
- Quick execution projects by completing environmental planning upfront.

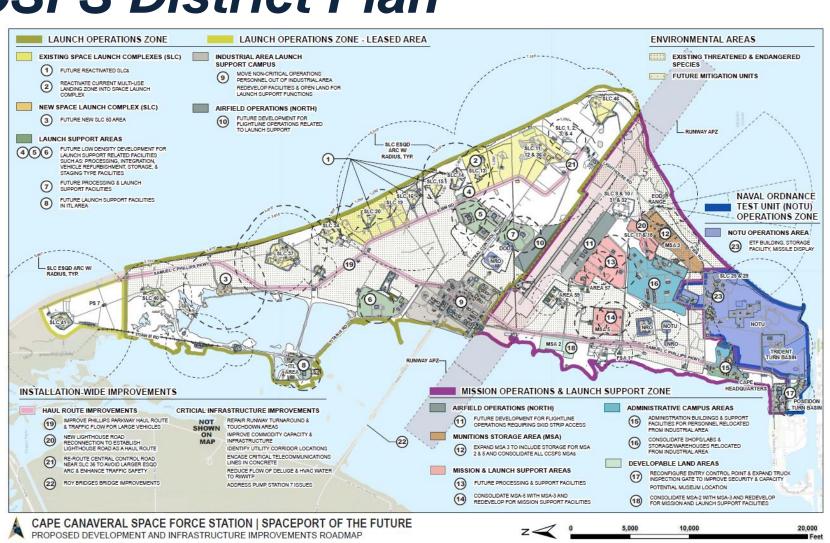
#### Study Deliverables:

- District Plans: Cape Canaveral Space Force Station & Patrick Space Force Base
- Infrastructure Roadmap (IR)
- Environmental Assessments (EA): Cape Canaveral Space Force Station & Patrick Space Force Base





### **CCSFS District Plan**

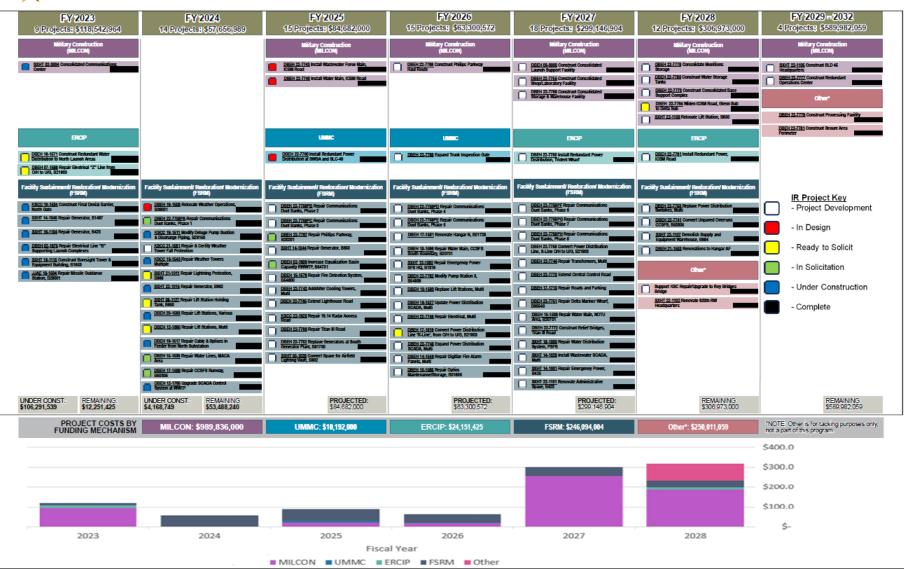








#### SLD 45 INFRASTRUCTURE ROADMAP PROJECT SUMMARY









# Design and Construction Today



Project #	% Complete	Project Name	
DBEH 22-7768	0%	Charrette - Construct Philips Parkway Haul Route	
DBEH 19-1508	40%	Design – Relocate Weather Station to SLC - 17	
DBEH 22-7740	35%	Design - Install Water Main, ICBM Rd	
DBEH 22-7743	35%	Design - Install Wastewater Main, ICBM Rd	
DBEH 22-7760	15%	Design - Install Redundant Power Distro, CCSFS (USACE)	
DBEH 22-7763	30%	Design - Install Emergency Generator at MOC (USACE)	
DBEH 17-1568	1%	Rpr CCSFS Runway, B50305	
KSCC 19-1511	6%	Modify Deluge Pump Suction and Discharge, Pump Station 7	
SXHT 22-1015	10%	Repair Generator, B962	
DBEH 12-1765	95%	Upgrade SCADA Controls at RWWTP	
JJAE 18-1504	1%	Repair Missile Guidance Station, B28001	
KSCC 19-1534	70%	Construct Final Denial Barrier, North Gate	
SXHT 14-1045	1%	Repair Generator, B1497	
SXHT 16-1104	1%	Repair Generator, B423	
SXHT 16-1115	62%	Construct Boresight Tower & Equipment Building, B1653	
DBEH 02-1675	1%	Repair 'B-Line' Supporting Launch Complexes	
DBEH 19-1517	81%	Repair Cable & Splices in Feeder from North Substation	
DBEH 20-1563	89%	Repair Lift Stations, Various	
KSCC 18-1543	100%	Repair Weather Towers, Multi	





# Coming Soon to a Range Near You



Project #	Stage	Project Name
KSCC 15-1587	Preparing Construction Solicitation	Repair & Certify Weather Tower Fall Protection
SXHT 02-3004	Preparing Design Solicitation	Consolidated Comm Center
SXHT 08-1127	Preparing Construction Solicitation	Repair Lift Station 650 Holding Tank
SXHT 21-1011	Preparing Construction Solicitation	Repair Lightning Protection, B969
DBEH 10-1565	Design Solicitation in Work	Repair Optics Maintenance / Storage, B01606 (Hangar G)
DBEH 12-1690	Preparing Construction Solicitation	Replace Lift Stations, Multiple Across CCSFS
DBEH 15-1539	Construction Solicitation in Work	Repair Water Lines, MACA Area
DBEH 22-7759	Design Solicitation In Work	(Design) CCSFS Comm Duct Bank Survey and Design
DBEH 22-7767	Design Solicitation In Work	(Charrette) Repair Phillips Pkwy, B20201
SXHT 00-1028	Solicitation In Work	Convert Space for Airfield Lighting Vault





## New Biological Restrictions



#### **Tricolored Bat:**

- Avoid tree trimming/clearing 1 May 15 July to minimize impact during bat maternity season
- Avoid tree trimming/clearing when ambient day time temperatures are 45 degrees Fahrenheit or below

#### **Prescribed Burning:**

 Implement a minimum of 450-acre average (up from 300) of prescribed fire within occupiable Florida scrub-jay habitat over a six-year rolling period (down from 10-year) to maintain current habitat conditions.

#### **Southeastern Beach Mouse:**

- Implement 135.9 acres of beach mouse habitat mitigation at a 1:1 ratio
- If existing mitigation areas are impacted, the ratio will double to 2:1. If these areas are impacted in the future, the mitigation ratio will double again.

#### Florida Scrub-Jay:

- Avoid construction during Florida scrub-jay nesting season from 1 March 30 June to the maximum extent practicable in areas known to be occupied by scrub-jays.
- The total acreage of restoration shall be a minimum of 118 acres and should be within a contiguous area to the greatest extent practicable (based on a 2:1 ratio). If existing mitigation areas are impacted the ratio will double to 4:1 and if these areas are impacted again, it will double further.

