FEDERAL PLANNING DIVISION WEBINAR SERIES

- **Problem Solved: F22 Move from Tyndall AFB to JBLE Langley AFB Master Plan**
- **July 23, 2020, 1pm – 2pm Eastern Time**
-

Participant Ground Rules for the Webinar:

1. **Please do not forward this email to anyone.** We only have slots for the number of people that have registered for this event. There is no way we can block people from coming into this call if they have the link below. For every unregistered person that logs in, a registered participant will not be able to join this call.
2. **Please keep yourself muted.** All guests with the exception of the panelists and hosts will be "muted-upon-entry" and muted for the duration of this call. In order to ensure we can deliver a high-quality, easy-to-hear conversation, we kindly ask that all attendees keep their lines muted for the duration of this event. If you prefer to dial in by phone rather than using your computer audio, please make sure you associate your phone audio with your computer log-in in order to fill only one slot for the event.
3. **We encourage your questions through Chat!** We encourage the use of the Chat function for your questions for our speaker.

633d Civil Engineer Squadron

Integrity - Service - Excellence

F-22 Formal Training Unit Relocation

Using the Area Development Plan and Customer Concept Documents to Solve Major Planning Problems

Problems Solved Track

PRE-DECISIONAL

U.S. AIR FORCE

Team

Mr. Travis Willer, Lead Community Planner, Lead
FTU Program Integration Office Civilian
JBLE-Langley AFB

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US Army Corps of Engineers – Huntsville

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Overview

- *We are not Tyndall*
- *Money Roller Coaster*
- *The Tyndall "Shell Game"*
- *282*
- *Make No Little Plans*
- *The Rainbow Road*
- *Flightline of the Future*
- *"Five Minutes Matters"*

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We are not Tyndall

On a limited timeframe and budget, how do we propose a major Air Force mission relocation using planning products to layout a methodical and fiscally responsible program to accomplish Air Force objectives?

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Opportunities

- *"Flightline of the Future"*
- *Ability to modernize 1920s infrastructure*
- *Technologically connect Flightline*
- *Correct inefficiencies and consolidate*
- *"Hangars are for Jets"*
  - *Remove non-flightline functions from flightline*
- *"Five Minutes Matters"*
  - *Operations and Airmen focused*
- *Prepare for next Mission*

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Challenges

- *F-22 FTU MILCONs Shortened Timelines*
- *"Multiple gears need correct meshing"*
  - *4 MILCONs, $186M*
  - *62+ O&Ms over 2019-2023, $73M+*
- *Reducing impact to pilot production*
- *Programming Procedures*
  - *Fighting the "Typical"*
- *Funding*
  - *2019 National Disaster Act*
  - *FY21 O&M and beyond not guaranteed*

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We are not Tyndall

- *Destroyed by Hurricane*
- *Major recovery effort required first*
- *Experienced several emergencies during recovery*
- *Did not have clear future or mission*
- *Multiple problems and unknowns to define*
- *Timeline flexibility*
- *Large contractor support team*
- *Large funding support pool*
- *Outside PMO appointed team*
  - *Contractor support early*

- *Receiving Hurricane Fallout*
- *No recovery efforts required*
- *Experienced two potential hurricane storm events with no damage*
- *Have a mission, potentially more*
- *Clear problem definition and goal set*
- *Timeline inflexibility*
- *No contractor support team*
- *Limited funding support pool*
- *Inside PIO acquired team*
- *Continued deployments*
- *Increased Ops Tempo*

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Background Information

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Timeline

- *7 Oct 18 – TY F-22s Begin EVAC*
- *10 Oct 18 – Hurricane Michael Landfall*
- *11 Oct 18 – 1FW/CC FRAGO for interim standup of FTU ops from JBLE Langley*
- *19 Oct – 2 Nov 18 – Feasibility and Capability Development*
- *11 Mar 19 – ACC/A589 Guarantees funding for ADP and MILCON Customer Concept Documents (CCDs) to define design/costs20 May 19 – ADP and 6 MILCON CCD Award to Urban Collaborative, LLC*
- *8-12 Jul 19 – Data Collection Week, ADP and CCDs*
- *15-19 Jul 19 – Design Charrette Week, ADP and CCDs*
- *7 Aug 19 – "50%" Draft ADP and CCDs Received*
- *26 Nov 19 – Pre-Final Draft ADP and CCDs Received*
- *24 Feb 20 – Final Draft ADP and CCDs Received*

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NEPA Timeline

- *Sep 19 – NEPA Process Underway*
- ***Sept '20 – EIS Virtual Public Information Meeting***
- ***Dec '20 – Expected Completion of EIS***
- ***Jan-Mar '21 – EIS Record of Decision Signature (SECAF)***
- ***May-Aug '21 – Phased Arrival of F-22s/T-38s (ROD req'd)***
- ***June '21 – F-22 FTU IOC***
- ***Aug '21 – MILCON Construction Award (ROD & AFCEC / USACE Dependent)***
- ***Sept 21 – MILCON Construction Commencement***
- ***June '23 – F-22 FTU FOC***

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Money Roller Coaster

- Nov 18 - $150M MILCON + $20M O&M WAG (Det 8)
- Feb 19 - $210-242M MILCON + $30M O&M Site Survey (ACC/589)
- Mar 19 - $310M MILCON + $65M O&M (DGS-X move estimate)
- Jul 19 - $229.6M - $295.2 MILCON + $78M O&M CCD, ADP est.
- Aug 19 - $186M MILCON + $53M O&M SATAF I
- May 20 - $186M Authorized, $193M Estimated*
  - .35% Difference in PA/Estimate
- **Jun 20 - $186M Authorized, $197M Estimated***

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The Tyndall "Shell Game"

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Pre-Hurricane Michael

Prior to Hurricane Michael, US Air Force had the prior enterprise plan in place to re-align multiple assets:

1. ***Tyndall AFB – No change, retains F-22 FTU, 2 F-22 CC FS***
2. ***JBLE-Langley AFB – No change***
3. ***Eglin AFB – Creates 2d AF F-35 FTU (Hill Tails) FY21***
4. ***Luke AFB – Loses F-35 FTU, gains new CC FS (production) FY22***
5. ***Hill AFB - Gains 2 new F-35 CC FS (production) FY22***

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Post-Hurricane Michael

Post Hurricane Michael, year of action and final location of aircraft changes:

1. ***JBLE-Langley AFB - Gains F-22 FTU (Tyndall Tails) FY21***
2. ***Eglin AFB - "Loses" F-22 FTU, creates F-35 FTU (Hill Tails) FY22***
3. ***Luke AFB – Loses F-35 FTU, gains CC FS (no aircraft) FY22***
4. ***Hill AFB - Gains new F-35 CC FS (production) FY22***
5. ***Tyndall AFB - Loses F-22 FTU, gains 3 F-35 CC FS (production) FY23***

Above is PRE-DECISIONAL and not for Public Dissemination

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The Tyndall "Shell Game"

JBLE-Langley AFB receives from Tyndall / Eglin AFBs:

1. 31 F-22A aircraft
2. 15 T-38B aircraft
3. 732 personnel + 46 BOS personnel
4. All associated MX/AGE equipment
5. 8 F-22 simulators, 16 weapons and tactics trainers (WTTs)
6. F-22 Fuel System Trainer
7. Initial Intelligence Qualifications Course
8. Required MILCONs: LO/CRF, Consolidated MX Hangar, TRSS, 120pn UPH

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282

Make no little Plans…

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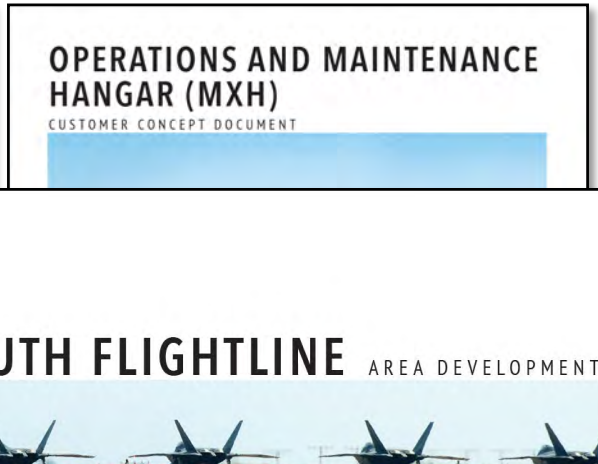
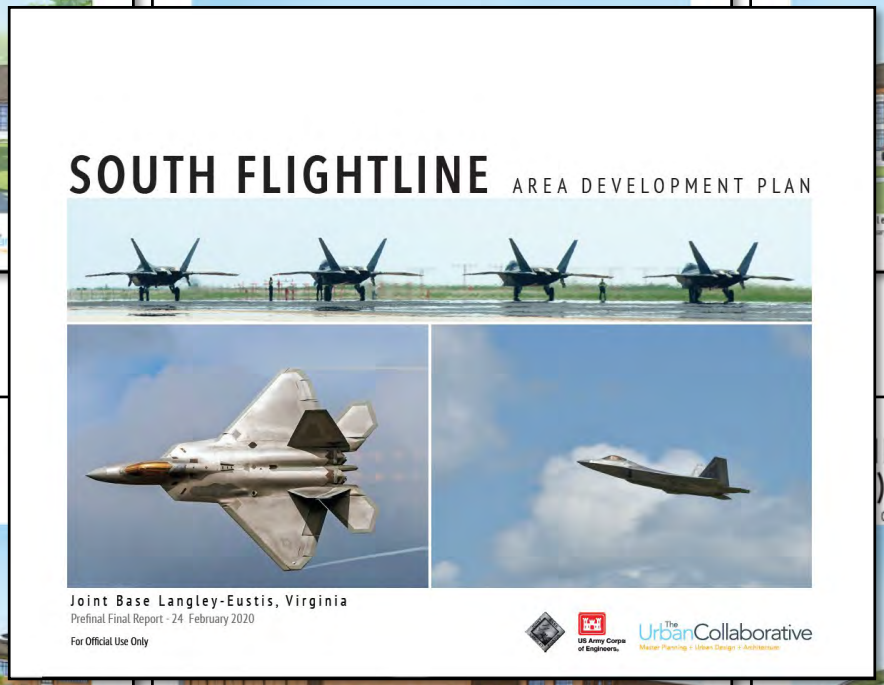
...They have no magic to stir men's blood





Make Big Plans; Aim high in hope and work – Daniel Burnham

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- South Flightline Area Development Plan
  - Consolidates two districts, East and West
  - Phases O&M program via Short-, Mid-, Long-Term
    - Phases O&M program via Must-, Need-, Nice-to-Have
  - Phases MILCON Projects
- MILCON Customer Concept Documents (CCD)
  - Low Observable Composite Repair Facility (LOCRF)
  - Operations & Consolidated Maintenance Hangar
  - Training Support Squadron Facility (TRSS)
  - Distributed Ground System-Experimental (DGS-X)
  - Unaccompanied Personnel Housing (UPH)
  - Child Development Center (CDC)

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South Flightline Area Development Plan

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South Flightline ADP

Standard ADP

- Short-Term 1-6 Years
- Mid-Term 5-12 Years
- Long-Term 10-20 Years
- Capacity

South Flightline ADP

- Short-Term 3mos-4 Years
- Mid-Term 3-8 Years
- Long-Term 7-12 Years
- Capacity

Short-Term **MUST HAVE** O&M / MILCON
Mid-Term **NEED TO HAVE** O&M / MILCON
Long-Term **NICE TO HAVE** MILCON
Capacity **PERFECT WORLD** MILCON

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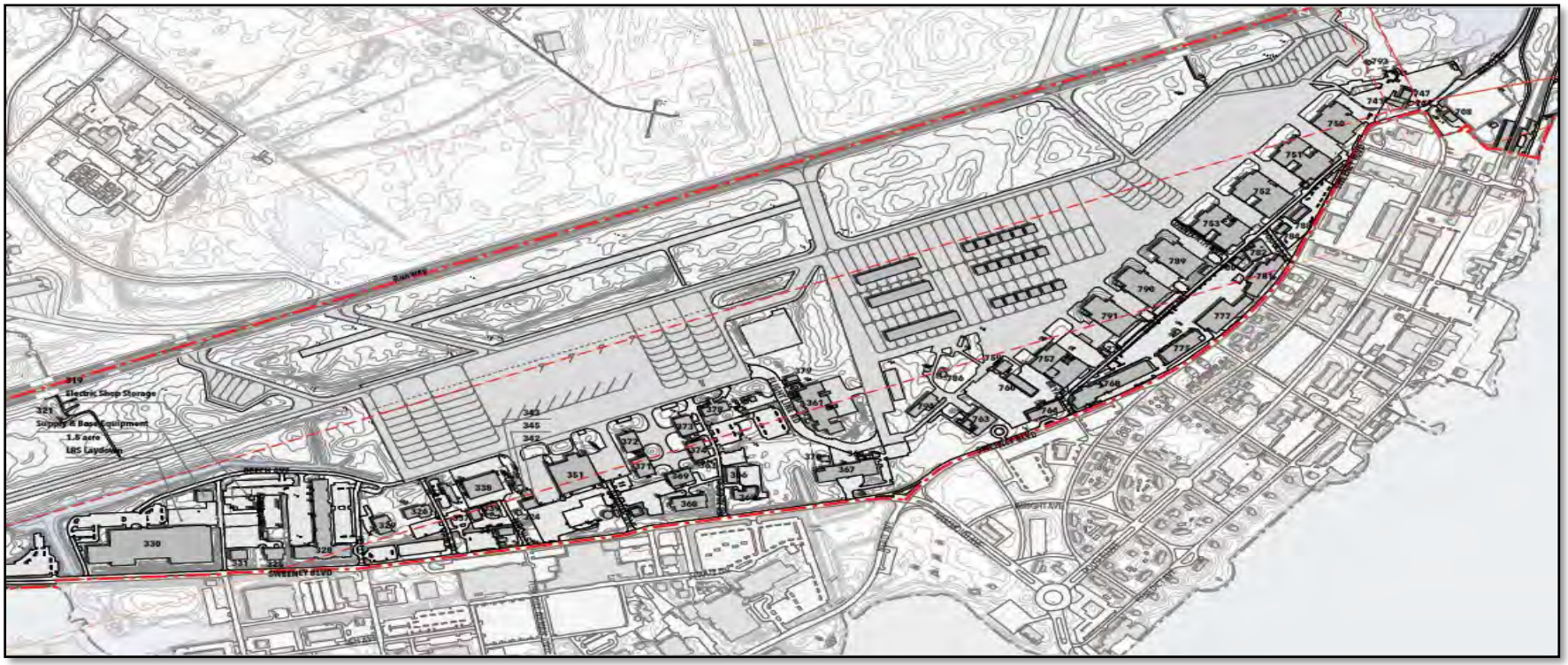
South Flightline ADP

"To support the heritage of the 1st Fighter Wing by providing a safe and compliant airfield that delivers a mission focused flightline supporting quality of life for Airmen."



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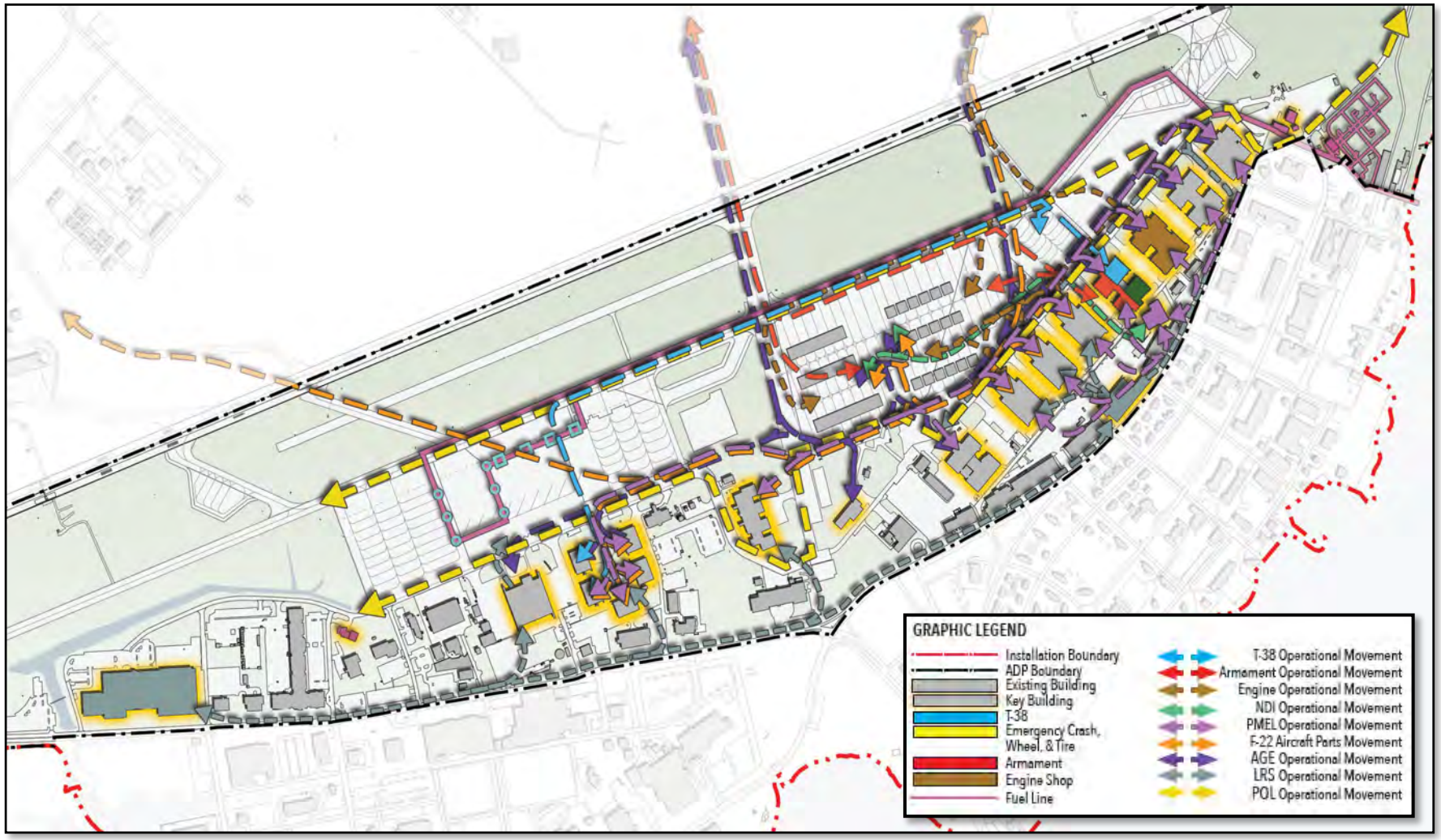
Movement Analysis



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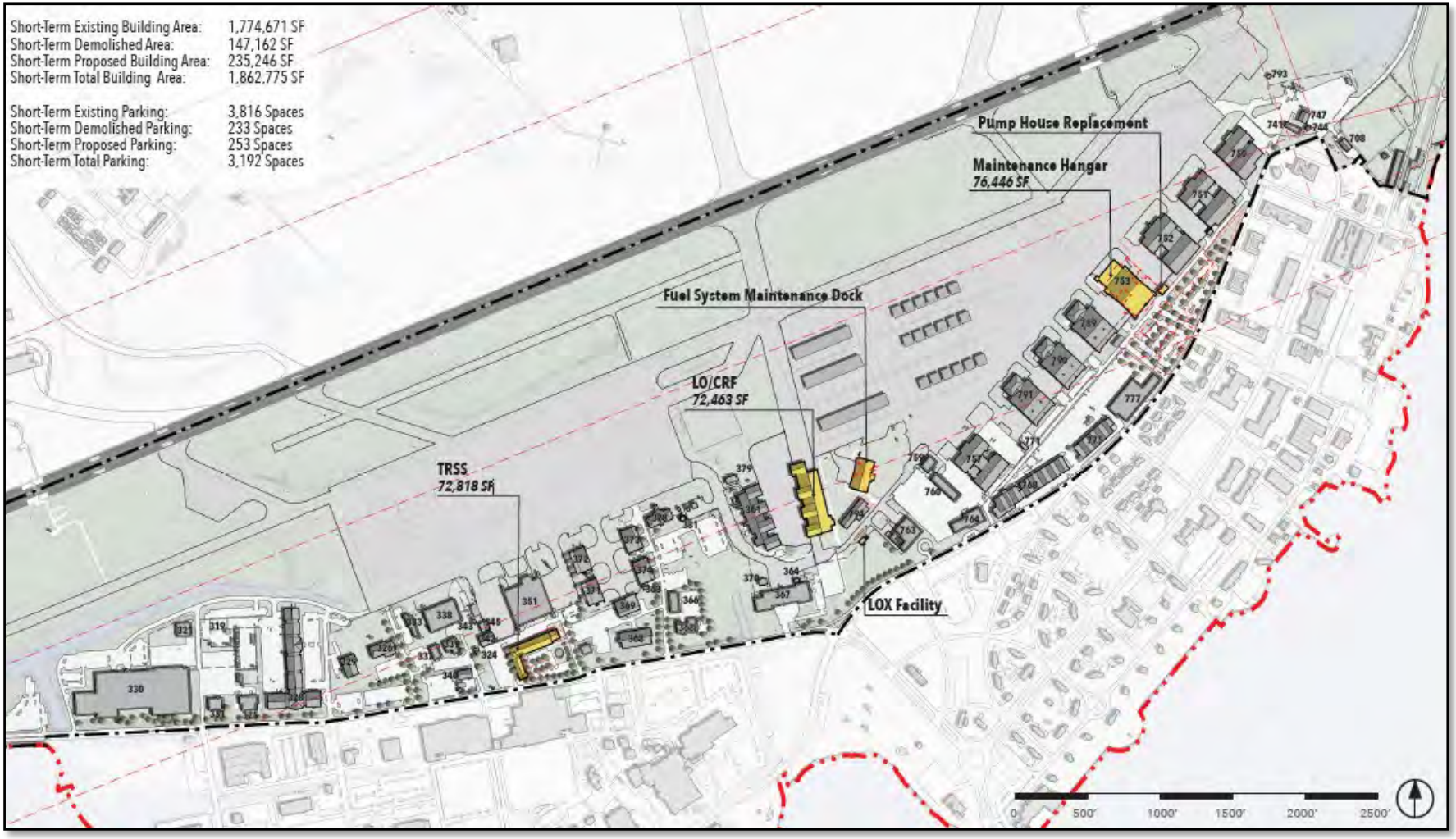
Short-Term Illustrative



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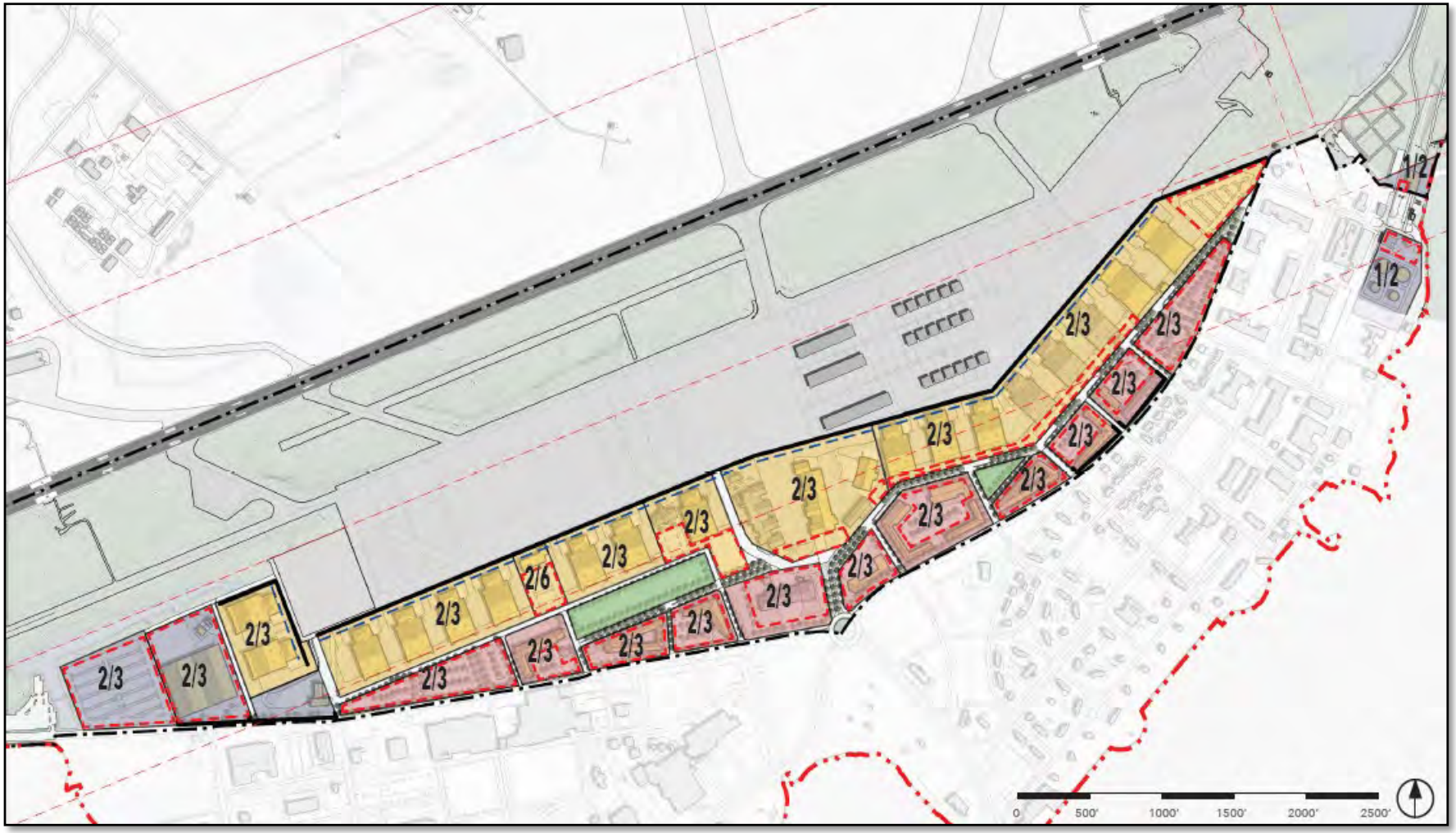
Regulating Plan



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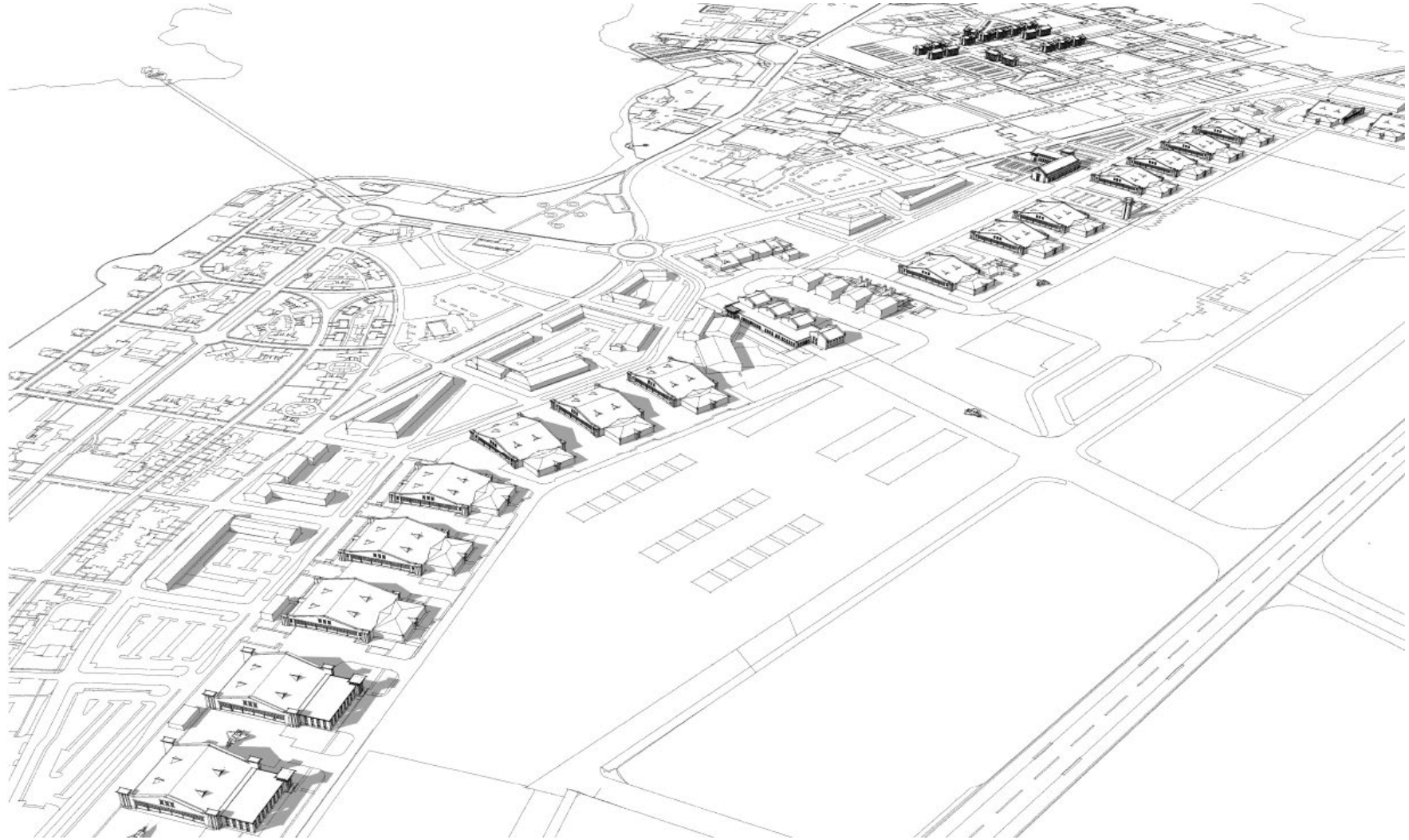
Composite Sketch



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Low Observable Composite Repair Facility

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Low Observable Composite Repair Facility

"Create a consolidated maintenance facility that is centralized on the flightline in order to support maintenance of F-22s and T-38s."

- Will add Metals Tech and Machine Shop
  - Clears 35k SF of poorly configured Flightline space
- Sited adjacent existing LO/CRF
  - Saves $80M-$120M over Site Survey plan
- Solves Cold/Warm/Hot Issue over previous LOCRF
- 150 Staff
- 72,465 SF
- $58M Authorized, $56.7M via CCD, $54.2M as currently designed (35% estimate)

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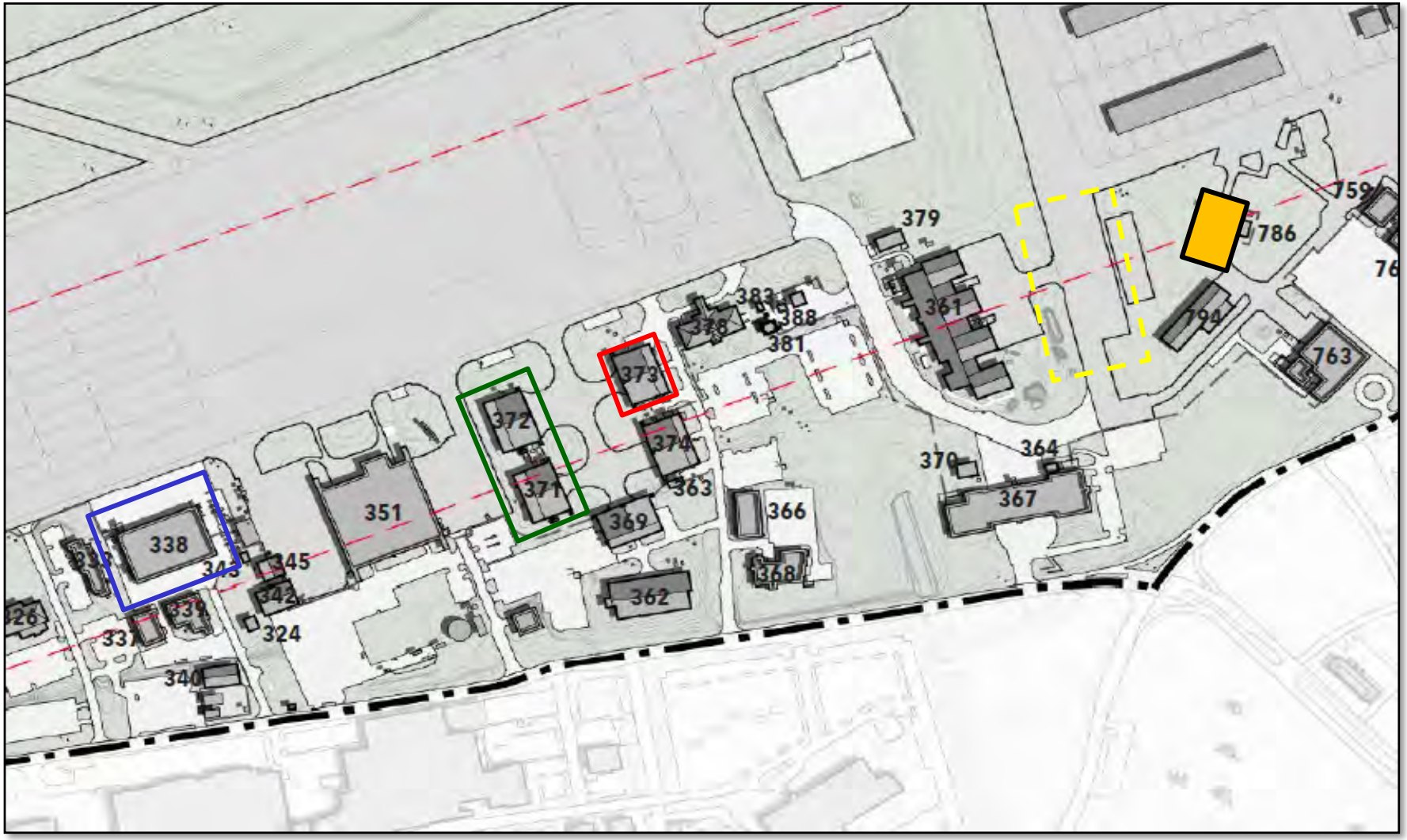
Low Observable Composite Repair Facility



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Low Observable Composite Repair Facility

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Training Support Squadron Simulator and Academics Facility

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Training Support Squadron Simulator and Academics Facility

"In support of a continuing future of air dominance, we will create a resilient, secure, and modern building with local architecture details to support an inspiring leaning environment that fosters collaboration and highly specialized advanced training for future F-22 fighter pilots."

- Enhances Tyndall AFB design efficiencies, consolidates two facilities
- Pilot engagement focus
- 135 Staff and Student Cadre
- 70,500 SF (11,500 under Tyndall facility)
- $52M Authorized, $50.4M via CCD, $44.8M as currently designed (35% estimate)

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Training Support Squadron Simulator and Academics Facility

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Training Support Squadron Simulator and Academics Facility

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Operations and Consolidated Maintenance Hangar

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Operations and Consolidated Maintenance Hangar

"Create a secure maintenance hangar with consolidated functions and an efficient operational wing designed to complement the historic context."

- Consolidates numerous functions for efficiency
  - "5 Minutes Matters"
  - 43FTS, 149FS (VAANG)
  - NDI, LO Support, Wheel & Tire, APO, Other MX
    - Clears 48k SF on Flightline
- 92 Staff
- 76,441 SF
- $45M Authorized, $44.7M via CCD, $45.1M as currently designed (35% estimate)

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Operations and Consolidated Maintenance Hangar

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Unaccompanied Personnel Housing

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Unaccompanied Personnel Housing

"Create spacious apartments with light-filled living spaces and efficient circulation in a walkable campus."

- Increased individual Airman SF
- Increased site and energy efficiency
- Focus on social interaction and resiliency
- 49,080 SqFt
- $31M Authorized ($29.7M as designed)
  - $5.9M/ea 24 Bed Unit
  - $8-12M construction savings over new FY21 AFCEC standard design
  - $4-6M est. 25-year lifecycle maintenance/energy savings over FY21 AFCEC standard design

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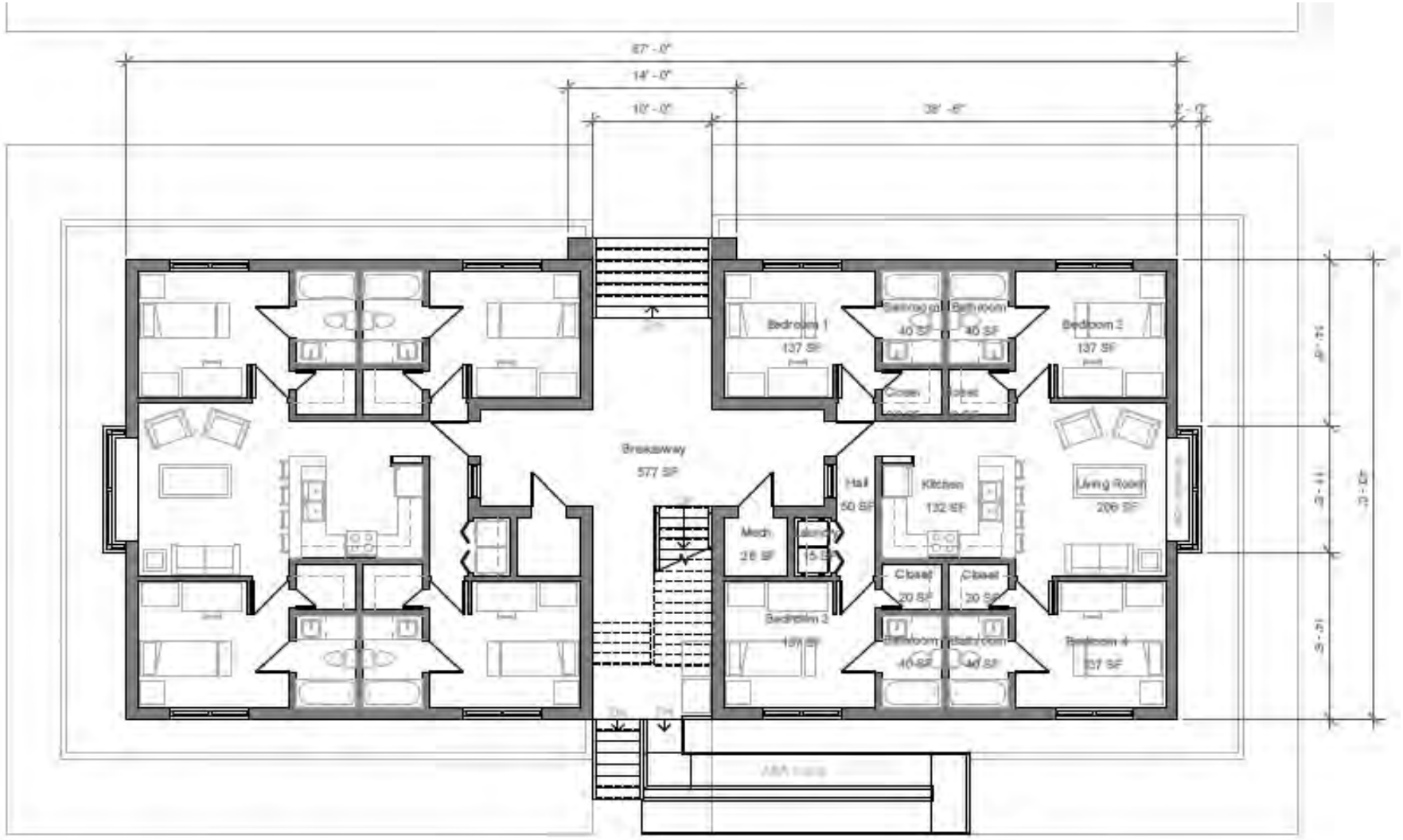
Unaccompanied Personnel Housing



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Unaccompanied Personnel Housing

FTU Created Requirement

JBLE-Langley Dorm Requirement

$150M - $285M Savings over current AFCEC Standard Design

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Child Development Center

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Child Development Center

"Create a consolidated Child Development Center campus with shaded pathways, perimeter parking, and beautiful fences."

- MILCON to SRM – Save $8M+
- Connects and facilitates a Child Care Campus
  - Creates connected and shaded pathways
  - Enhances Back River Bay views
  - Allows educational programming
- 31,100 SF
- $5M Authorized ($3.7M as designed)

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Child Development Center

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Distributed Ground System – Experimental

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Distributed Ground System – Experimental

"Create a globally connected, modern facility that promotes the wellbeing of the workforce in a walkable Intelligence, Surveillance, and Reconnaissance Campus."

- MILCON removed from FTU Program
  - $90-120M Program Savings
- Relocates non-flightline facility to ISR Campus
  - Created programming & concept documents
  - Validated critical mission need to relocate
- 65,100 SF
- $80M Estimated ($49.8M as designed)
  - $40M equipment estimate

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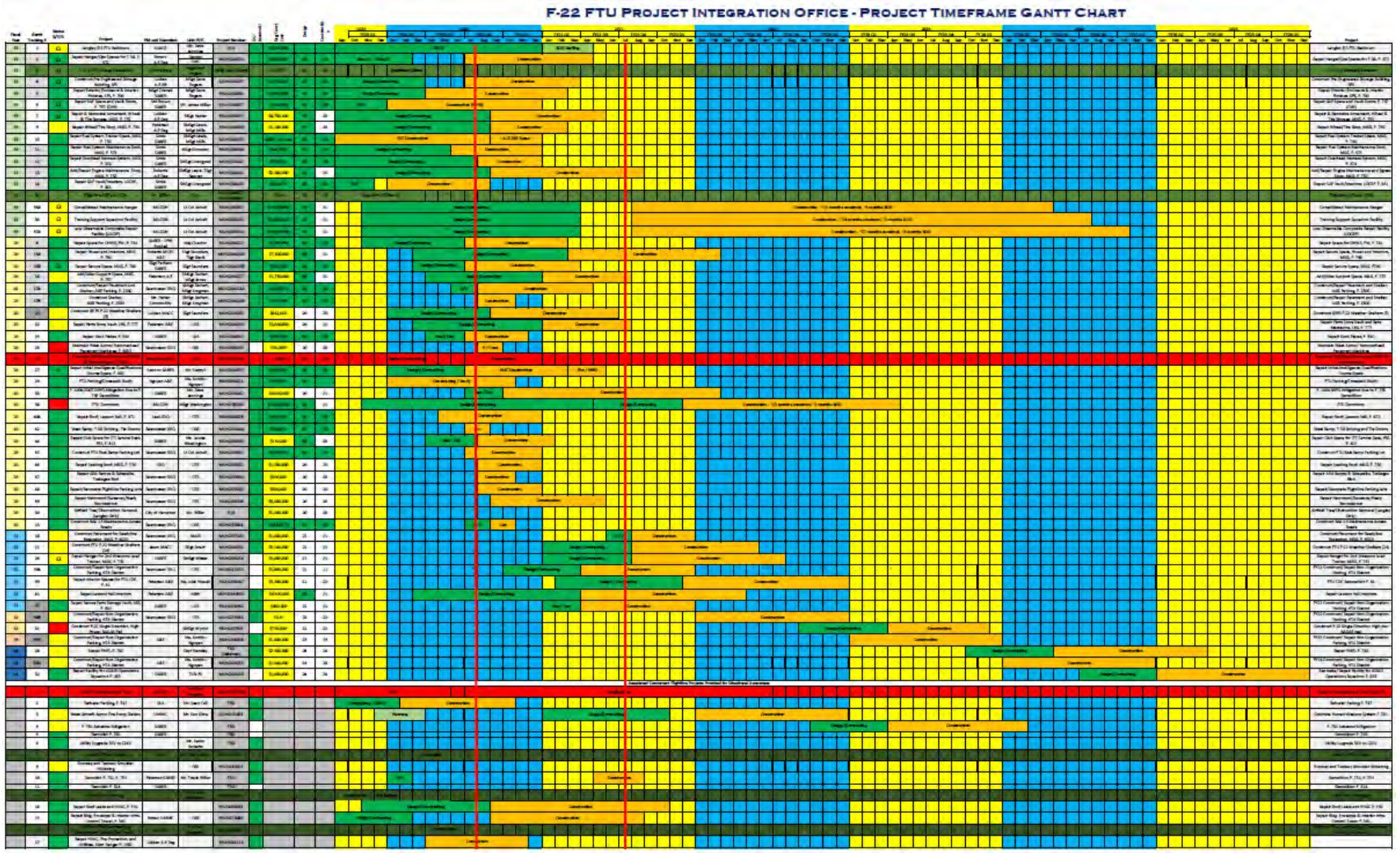
The Rainbow Road



Ready Engineers … Ready to Go

PRE-DECISIONAL

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Program Integration Office (PIO) Meetings

- *Bi-weekly meetings hosted by 633 Civil Engineer Sqdn*
- *Chaired by PIO Team – 1 FW, 633 CES*
- *Review of all areas of responsibility*
  - *Personnel, Manpower, Finance, Construction, Etc.*
  - *Issue Management and tracking*
  - *Mission Partner Equity/Involvement*
    - *Attendees include Unit Reps, ACC, AFCEC PMs, DET 8, USACE*
  - *Meeting Minutes to attendees and Commanders*
- *Keeps lines of communication open, closes issue loops, post/pre SATAF events to ACC/HAF*

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Where We Are / Next Steps

- *July 2019 – Interviews and CCD Charrette*
- *July 2019 – Draft DD Form 1391s from Charrette*
- *July 2019 – HAF MILCON submittal to Congress*
- *August 2019 – 50% Draft Project CCDs/Flightline ADP*
- *August 2019 – SATAF I*
- *August 2019 – FY19 O&M Projects Funded*
- *November 2019 – 90% Draft Project CCDs/Flightline ADP*
- *February 2020 – SATAF II*
- *April 2020 – MILCON Design of Record begun*
- ***July 2020 – SATAF III***
- ***January 2021 – EIS Record of Decision for SECAF***
- ***May 2021 – Proposed MILCON Construction Award***
- ***May 2021 thru August 2021 – Phased Arrival of F-22s/T-38s***
- ***June 2021 – F-22 FTU IOC***
- ***June 2023 – F-22 FTU FOC***

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US Army Corps of Engineers®
Huntsville District

The UrbanCollaborative
Master Planning + Urban Design + Architecture

Questions?

Questions for the Presenters via Chat

This Webinar qualifies for 1 AICP Certification Maintenance (CM) credit.

Please find the following on APA's website to register for 1 CM credit.

Problem Solved: F22 Move from Tyndall AFB to JBLE Langley AFB Master Plan | APA Federal Planning Division

#9202399

Thursday, July 23, 2020

1 p.m. – 2 p.m. EDT