460th Civil Engineer Squadron

Buckley AFB
Project Update

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Base Civil Engineer, Commander
460 CES

Engineers Lead the Way!
Buckley AFB Overview

- **Location** = City of Aurora, Arapahoe County, CO
- **Area** = 3,283 Acres
  - Improved Grounds = 53 Acres (grass height 2.5” – 5”)
  - Semi-improved Grounds = 337 Acres (4” – 10”)
  - Unimproved Grounds = 2,771 Acres (Once/Yr: 6” – 24”)
- **Plant Replacement Value** = $5.6B
- **Facilities** = 937 / Buildings = 225
- **Dormitories** = 2 (380 rms: B28 236 rms/B205 144 rms)
- **Privatized Housing (Hunt)** = 351 units (95+% occupancy)
- **Runway** = 11K feet / 201K SY
- **Taxiways** = 188K SY
- **Pavement** = 1.2M SY (248 Acres)
- **Restricted Area Emergency Generators** = 4 x 1 MWatts
  - Power Independence from ADF-C = $37.8M SBIRS Operations Facility (SOF)
- **Air Conditioning** = 12.6K Tons
- **Installation Development Plan**, June 2013
  - 2/5 ADP’s in process of upgrade
- Awarded/Ongoing
  - 23 FSRM Projects valued @ ~75M (Includes MILCON)
- FY19 to be awarded
  - ~ 20 projects
  - Some are centrally funded/others from Command/User
• Total FY19 Program: ~ $10-15M
• Central Funding:
  • DSN - Repair by Replace Power Plant Control Systems
  • Repair by Replace HVAC bldg. 430
  • Repair Roofing/Cladding/Foundation
  • Install Elec Surge Protection Multiple Bldgs
  • Repair by Replace Pipes, Valves, and Pumps for Fac 12425

• Other Funding: 19 Various Smaller Projects
  • Includes Paving/Roofs/Design/Industrial Controls/Bldg Systems Projects
• Repair by Replace Power Plant Control Systems
• Repair-Install Fire Hydrants
• Construct Comm Ducts
• Repair Anti-Ram Cabling Around Fenceline
• Repair Pavement – Aspen St & Breckenridge NW Lot
• Fence line Relocations
Current MILCON

- **FY18 SBIRS Operations Facility (SOF), ~$37M**
  - AFSPC’s #1 FY18 MILCON project
  - Awarded Dec 2018
  - Provides SBIRS MCS with its own backup generators)
    - Provides “power independence”
    - Current average load = 1.0 MW
  - Builds new @61K SF admin support facility: demo’s B429/431
    - Includes SCIF’d Ops Floor training simulator
    - B429 (built in 1974) roof deflects with heavy snow load (6 inch)
  - Construction start in Spring 2019 w/2 year POP

- **FY17 CATM (Shooting Range), ~$11M**
  - Existing CATM is enclosed open range w/10 firing lanes
  - New CATM will be fully enclosed range w/14 firing lanes, classroom space, locker rooms, simulation training space, armory
  - Includes demo of old range
  - Expected completion date: Jun 19

- **FY19 UMMC (<$6M) Large Vehicle Inspection Point (ECP)**
  - Moves Commercial inspection point to 6th Ave
  - Meets AT/FP requirements
    - Mississippi Gate does not comply with AT/FP standards and represents a significant safety/security issue
    - Does not have adequate queuing capacity, debris cordon extends into off-base neighborhoods, inspections in full sight
  - Expect to award project in Summer of 2019

Engineers Lead the Way!
NexGen Mission Control Center ($50-250M)
Power Resiliency – RA ($5-25M)
Basewide Electrical Infrastructure Resiliency ($25-100M)
Resilient Water Supply and Fire Protection ($25-100M)
NE Side Sanitary Sewer Water Infrastructure ($25-100M)
NE Side Natural Gas Infrastructure (Unk)
Consolidated Base Warehouse (Unk)
Joint Vehicle Maint and Wash Rack Facility (Unk)
Duct Lines on East Side (Unk)
CONCLUSION

Mess with the Bull
Get the Horns

Engineers Lead the Way!