



NAVAL AIR STATION LEMOORE **INSTALLATION MASTER PLAN 2030**

JULY 2014

*NAS LEMOORE IS THE AIR STATION OF CHOICE FOR AVIATORS,
SAILORS, SUPPORT PERSONNEL, AND FAMILIES THAT DESIRE
AN UNCOMPROMISED TRAINING ENVIRONMENT IN A SETTING
THAT FOSTERS POSITIVE GROWTH AND DEVELOPMENT OF
OUR WAR-FIGHTERS, A STRONG SENSE OF COMMUNITY, AND
HEALTHY LIFESTYLE CHOICES FOR ALL.*

NAVAL AIR STATION LEMOORE INSTALLATION MASTER PLAN 2030

MASTER PLAN SUMMARY

JULY 2014

PREPARED FOR

NAVFAC Southwest

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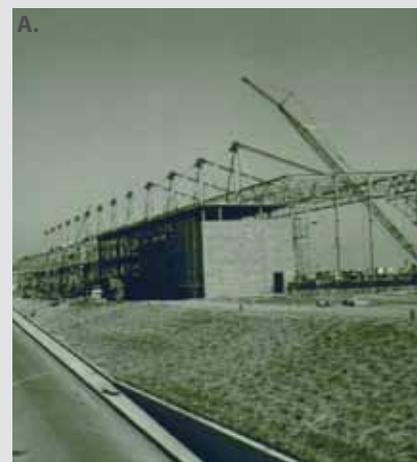


NAS LEMOORE OVERVIEW

Naval Air Station (NAS) Lemoore was commissioned in 1961 and remains the Navy's newest, largest, and only west coast Master Jet Base. The Installation's principal mission is to support Strike Fighter Wing, U.S. Pacific Fleet and its mission to man, train, and equip west coast Strike Fighter squadrons.

NAS Lemoore's last Master Plan was completed in 1992. Since that time, the number of assigned aircraft and personnel has increased, there have been a variety of new projects executed, and many of the Installation's original facilities and infrastructure have continued to age. All of these factors are driving the need for an updated Master Plan that allows NAS Lemoore to correct current deficiencies while positioning the Installation to respond to anticipated future conditions.

A. NAS Lemoore Flightline, under construction, circa 1960
B. NAS Lemoore Flightline, 2014



NAS LEMOORE: PAST, PRESENT, AND FUTURE

NAS Lemoore was commissioned in 1961 with two types of aircraft, a single-engine propeller plane known as the A-1 Skyraider and the A-4 Skyhawk, a small, quick jet aircraft nicknamed the “Mighty Midget” and known for its long range and carrier capabilities. In 1966, the A-7 Corsair aircraft began to arrive at NAS Lemoore.

In the 1980s, NAS Lemoore was selected as the home station for the F/A-18, a lightweight strike fighter aircraft the Navy developed to replace their aging fleet. This was a new aircraft with twin-engines and the ability to perform both ground attacks and air-to-air missions.

In the early 1990s, NAS Lemoore became the headquarters for Strike Fighter Wing, Pacific. The 1993 Defense Base Closure Realignment process relocated additional mission and operations from NAS Miramar to NAS Lemoore. In July 1998, NAS Lemoore was selected as the West Coast site for the newest strike fighter aircraft, the F/A-18E/F Super Hornet and in November 1999, NAS Lemoore received its first Super Hornets. NAS Lemoore was selected as the West Coast’s preferred location for the Navy’s next generation strike fighter, the F-35C, scheduled to arrive at NAS Lemoore in August, 2016.

Aircraft Stationed at NAS Lemoore



A-1 Skyraider

The A-1 Skyraider is one of the initial aircraft home based at NAS Lemoore. It was a carrier-based, single-seat, long-range, high performance dive/torpedo bomber.



A-4 Skyhawk

The A-4 Skyhawk attack bomber was one of the initial aircraft home based at NAS Lemoore.



A-7 Corsair II

The A-7 Corsair II was stationed at NAS Lemoore in 1967, and was the US Navy’s premier attack aircraft in the 1970s and early 1980s.



F/A-18 Hornet Strike Fighter

The F/A-18 Hornet Strike Fighter arrived at NAS Lemoore in 1980.



F-35C Joint Strike Fighter

NAS Lemoore is anticipating the arrival for the West Coast F-35C. Its stationing will allow NAS Lemoore to continue its tradition as the premier west coast Master Jet Base.

NAS LEMOORE BY THE NUMBERS

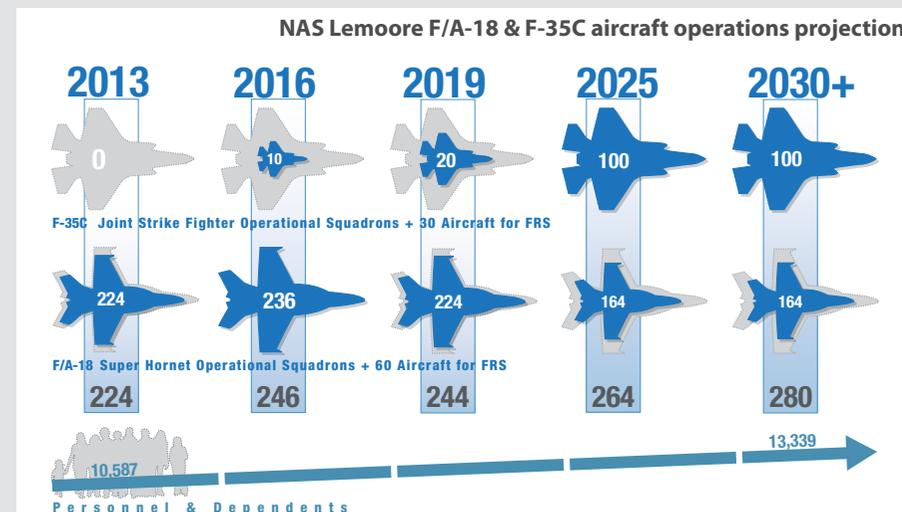
NAS Lemoore supports military personnel, dependents, DoD civilians and contractors, transient personnel associated with training activities, and military retirees or disabled veterans who rely on support functions like the Naval Hospital (NAVHOSP), Naval Exchange (NEX), and Commissary. Demographics are summarized below and reflect the realignment of Strike Fighter (VFA) squadrons, which will bring two additional squadrons to NAS Lemoore by 2016, and the homeporting of the F-35C.

In addition to homeported F/A-18 Super Hornets, NAS Lemoore is also home to a limited number of MH-60 helicopters flown by the Search and Rescue Unit. Projected aircraft loading is summarized to the bottom right and reflects 17 operational VFA squadrons following realignment in 2016 and the anticipated arrival of F-35C at NAS Lemoore.

Demographics (2030)

Population	Loading
Military personnel ¹	6,415
Dependents ²	4,100
DOD civilians and contractors ¹	1,560
Subtotal	12,075
Military retired or disabled veterans ²	8,713
Transient personnel (training/detachments) ²	23,456
Subtotal	32,169
Total	44,244

1. Source: US Navy F-35C West Coast Homebasing Draft EIS, February 2013
 2. Source: NAS Lemoore Demographics presentation, December 6, 2010



Projected Aircraft Loading (2030)

Aircraft	Squadrons	Loading
F/A-18E (Operational Sqd.)	4	48
F/A-18F (Operational Sqd.)	6	72
F/A-18E/F (Fleet Replacement Sqd.)	1	60
F-35C (Operational Sqd.)	7	70
F-35C (Fleet Replacement Sqd.)	1	30
Total Fixed Wing		280
MH-60 (Search and Rescue Unit)	1	4

Sources: US Navy F-35C West Coast Homebasing Draft EIS, 2013; CSFWP 2014; NAS Lemoore

MASTER PLAN VISION

The planning vision was developed through a collaborative effort with NAS Lemoore leadership and stakeholders. Unlike the Installation mission statement, which outlines NAS Lemoore's purpose as a military installation, the planning vision defines the principles that guide development of the Master Plan.

GOALS

Goals and strategies were established to guide development of the Master Plan and to help ensure future projects are consistent with the planning vision. Plan goals include:

- **Enhance mission capabilities.**
- **Promote health and well-being with a multimodal transportation system that provides alternatives to single occupant vehicles.**
- **Focus development within the core area.**
- **Continue to foster and strengthen the sense of community.**
- **Achieve a high level of sustainability.**
- **Create an environment that cultivates well-rounded Sailors (Sailorization) through personal and professional growth and development.**

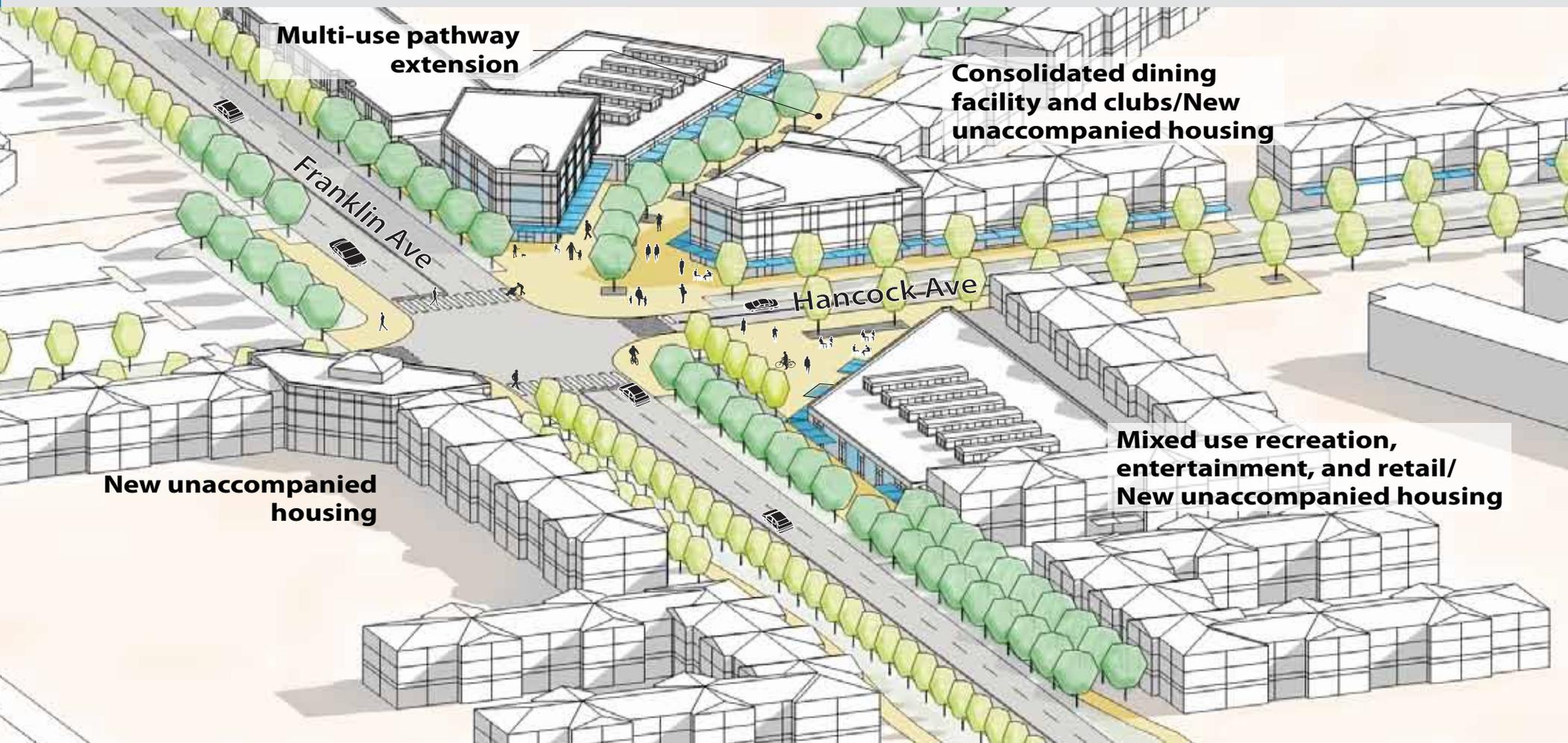
NAS Lemoore Mission Statement

As the Navy's premier Strike Fighter Master Jet Base, Naval Air Station Lemoore provides the infrastructure, products, and services that enable Commander, Strike Fighter Wing Pacific squadrons to conduct operations in Support of National Tasking; enables readiness through quality of life services; fosters and strengthens collaborative community relationships; and achieves installation efficiencies through innovation. We all need to keep this in the forefront of our minds each and every day with everything that we do while upholding the Navy Core Values of Honor, Courage, and Commitment.

Planning Vision Statement

NAS Lemoore is the Air Station of choice for Aviators, Sailors, support personnel, and families that desire an uncompromised training environment in a setting that fosters positive growth and development of our war-fighters, a strong sense of community, and healthy lifestyle choices for all.

Perspective view of the new NAS Lemoore town center at the intersection of Franklin Ave & Hancock Ave



CONCEPT PLANS

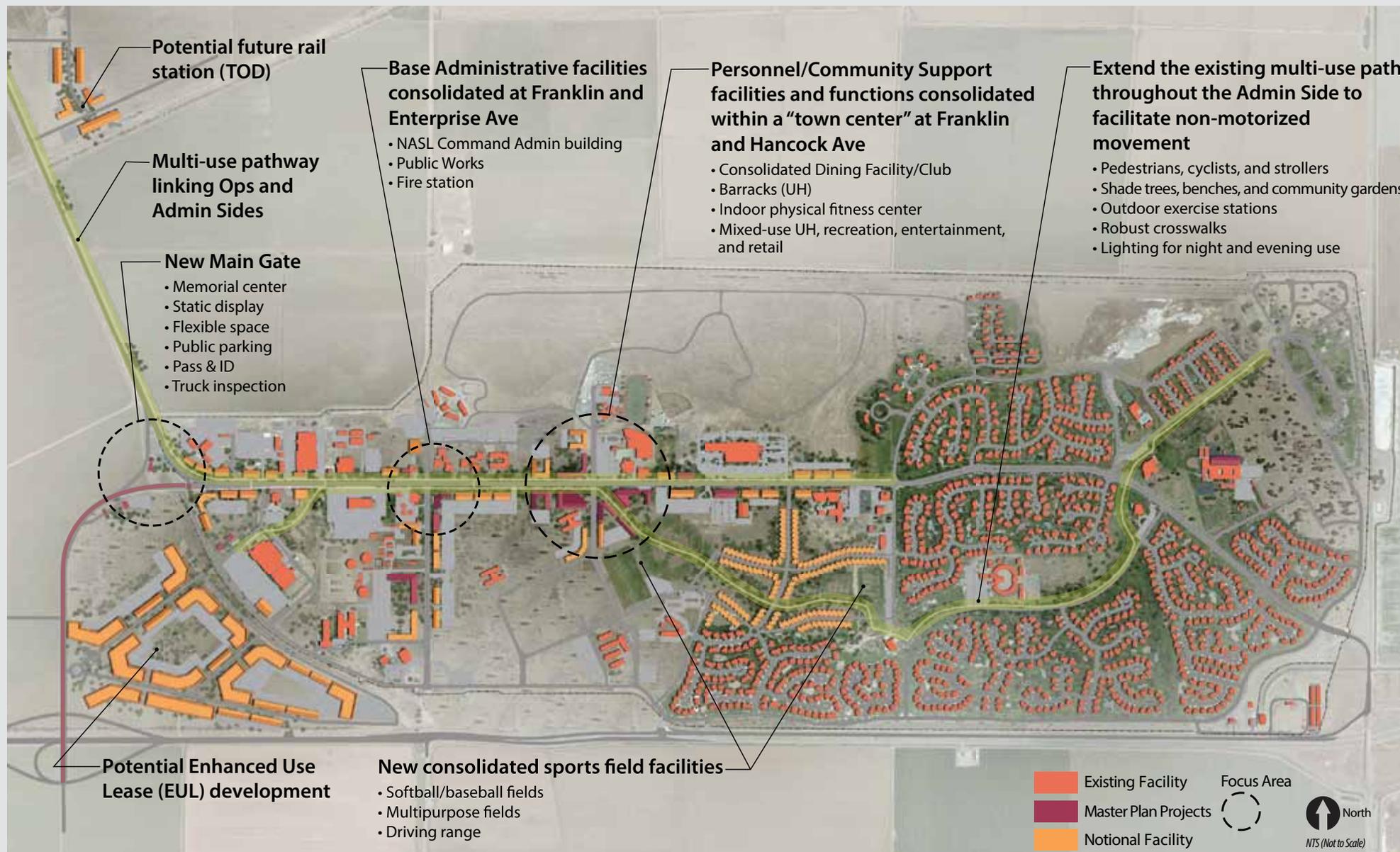
Admin Side

The Admin Side will support the mission and enrich the lives of personnel by providing administrative, public works, storage/support, housing, and quality of life functions. This will be achieved through consolidated development and infrastructure enhancements, illustrated below and to the right.

Street level view of personnel/community support facilities at the intersection of Franklin Ave & Hancock Ave



Admin Side Concepts



Ops Side

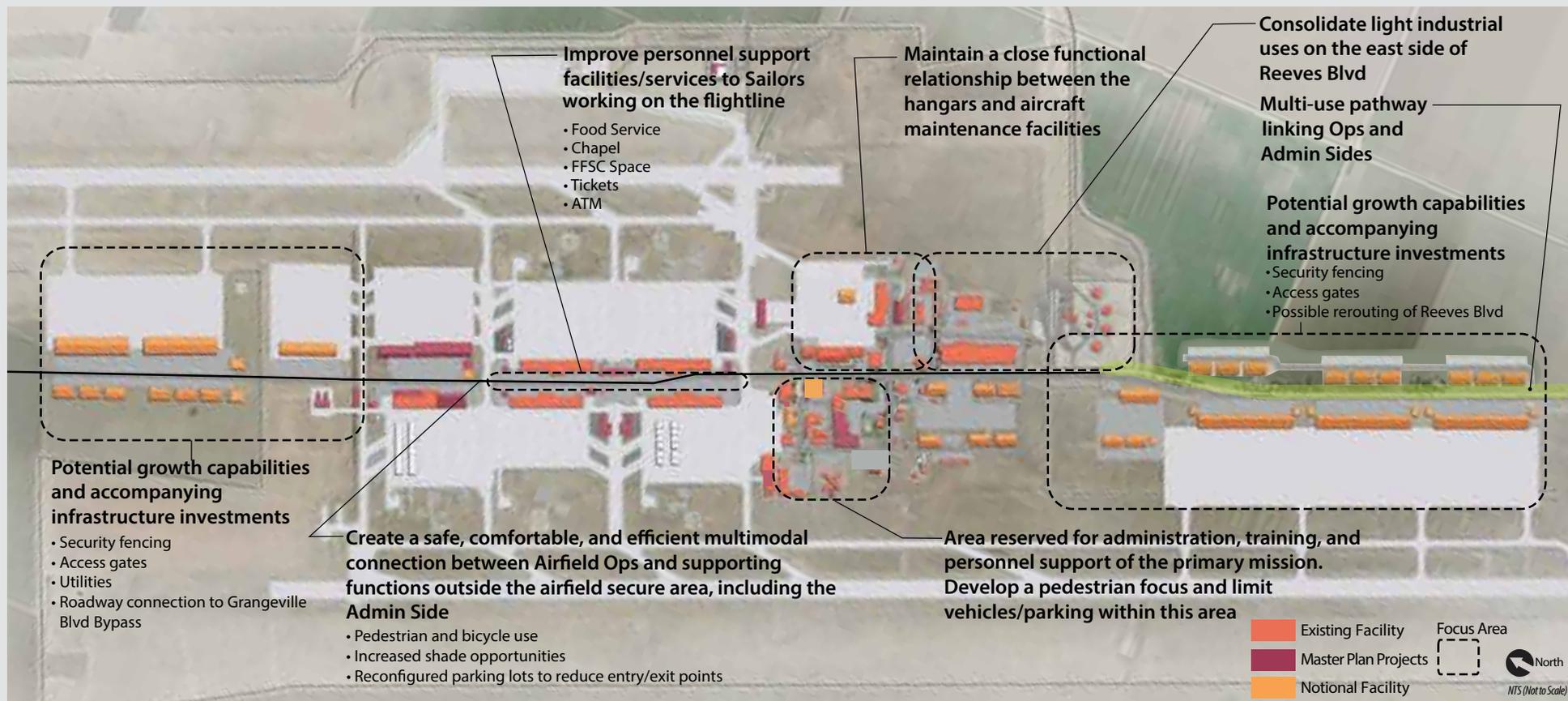
The Ops Side will provide aircraft maintenance, training, administrative, and storage/support functions necessary for existing and future operations at NAS Lemoore - organized in a manner that maximizes operational efficiency without sacrificing Sailor quality of life. Concepts for the Ops Side are illustrated to the right and below.

A. Multi-use pathway with personnel support along Reeves Blvd on the Ops Side

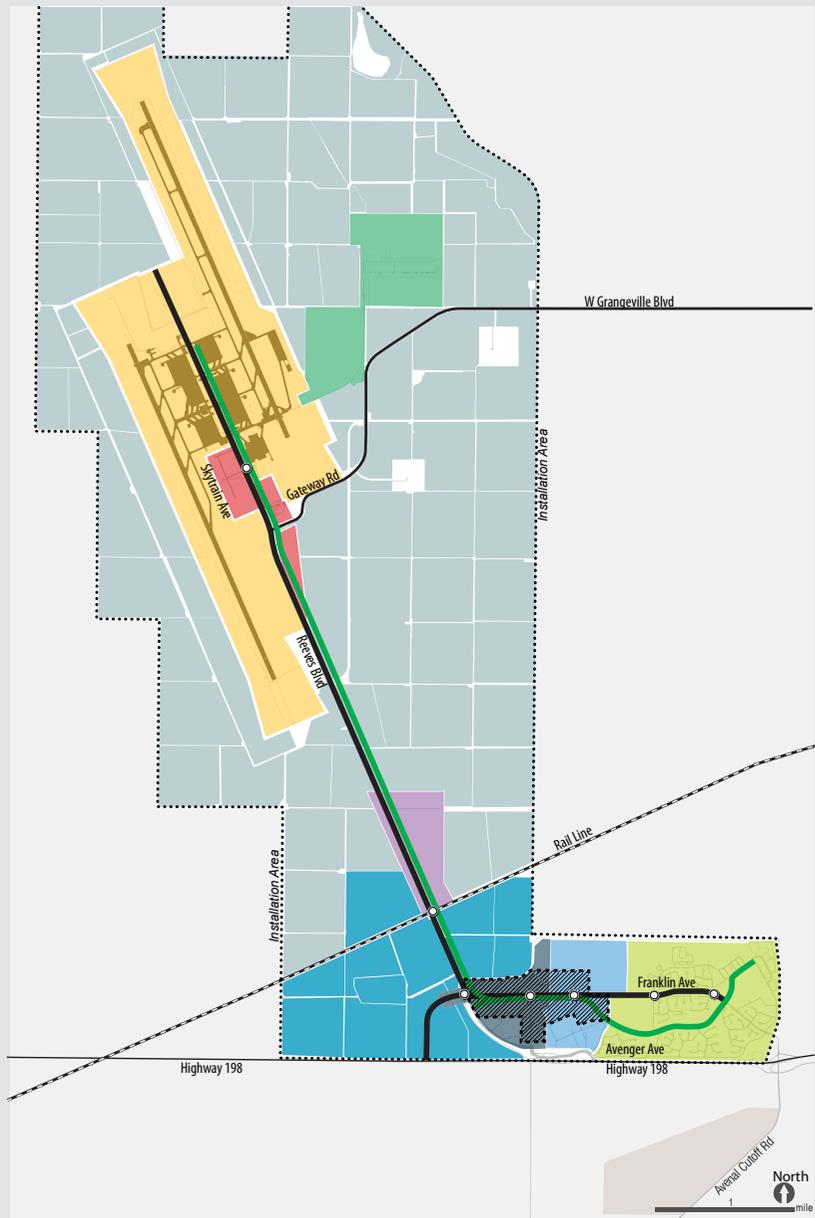
B. Campus concept on K St at Building 1. Provides an improved pedestrian environment in the core area with new street crossings, enhanced pedestrian spaces, a shuttle stop, increased landscaping, and reduced traffic.



Ops Side Concepts



FRAMEWORK PLAN



■ Airfield Ops (AO) District Vision

Support efficient and effective execution of the primary mission at NAS Lemoore with maintenance facilities and airfield pavements that accommodate current airframes and aircraft loading.

■ Airfield Ops Support (AOS) District Vision

Support the primary mission with the right mix of light industrial, administrative, training, and personnel support facilities organized in a manner that maximizes operational efficiency without sacrificing Sailor quality of life.

■ Ordnance (ORD) District Vision

Support the primary mission with ordnance handling and storage facilities that meet current requirements while preserving capacity to accommodate the weapons systems and missions of tomorrow.

■ Joint Use Training (JUT) District Vision

A joint use training development with a mix of training buildings, outdoor training areas, mockups, and other facilities supporting a diverse training curriculum.

■ Managed Lands (ML) District Vision

Open spaces with farm land, wildlife areas, PV arrays, and other uses that maintain the undeveloped character of the area.

■ Enhanced Use Lease (EUL) District Vision

A mixed use district with a variety of land uses and building forms that is aesthetically compatible with the adjacent Admin Area.

■ Base Administration (BA) District Vision

The Base Administration District is envisioned to become the core area for the business of base and mission support. Low rise buildings will be anchored by pedestrian orientated storefronts on the ground floor and concentrated around the central core area.

■ Personnel Support (PS) District Vision

The personnel support district shall promote a healthy and sustainable NAS Lemoore community.

■ Family Housing (FH) District Vision

Provide a walkable district with integrated amenities and strong pedestrian and bicycle connections to destinations both inside and outside the district boundaries.

The Framework Plan is developed by applying the planning vision and goals within the context of NAS Lemoore's existing land use and transportation system. Elements of the Framework Plan include:

Permitted Uses

The permitted uses table identifies which uses are permitted in each of NAS Lemoore's planning districts.

District Identification

Nine districts have been established based on the unique operations and activities occurring across the Installation. Each district offers a different design context based on the land uses being supported. Districts are summarized in Table 20. Additional guidance relating to the design character of each district can be found in the Installation Planning Standards.

Transportation Concepts

The Framework Plan identifies key elements of the transportation system, including both vehicular and pedestrian/bike routes.

Growth Boundary

A growth boundary is established on the Admin Side to ensure future development is consistent with the planning vision and goals for a compact and walkable Installation. Future facilities should be located within the growth boundary unless operational requirements necessitate otherwise.

NAS LEMOORE MASTER PLAN PRIORITY PROJECTS

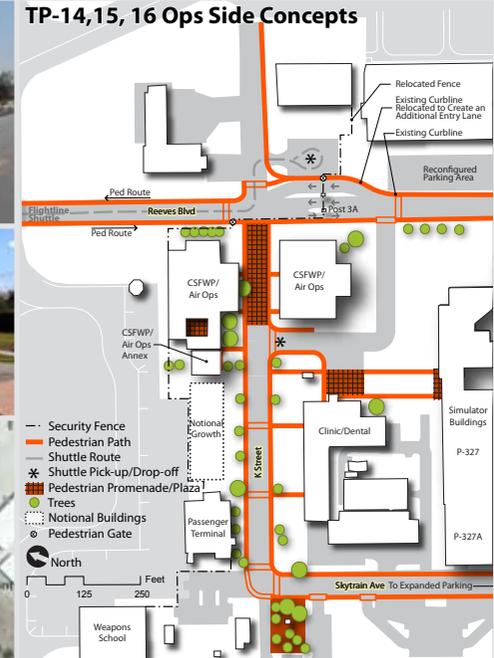
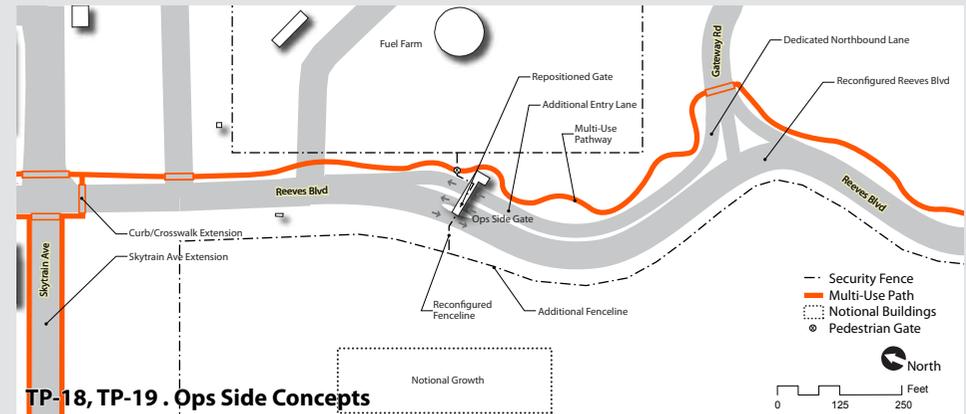
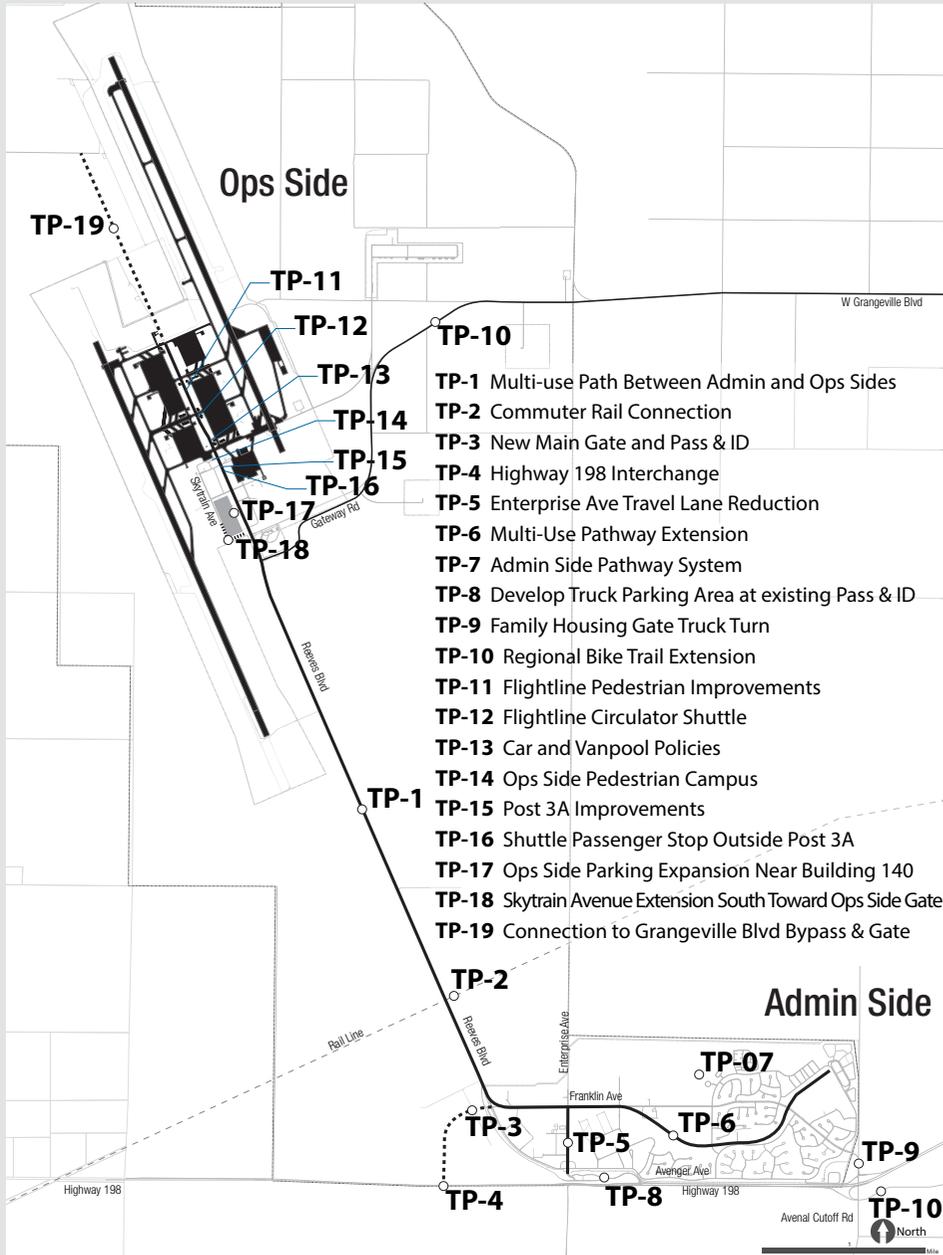
	Master Plan COA No.	Project No.	Project Titles
F-35C Projects	AOS-6	P327A	F-35C Academic Training Facility
	AOS-4	P327	F-35C Operational Training Facility
	AO-10	P328	F-35C Facility Addition and Modification (Hangar 5)
	AO-9	P378	F-35C FRS Hangar 5 Additions and Modifications
	AO-5	P218	RTO and Mission Debrief Facility
	AOS-5	P379	F-35C PTC Phase II Bldg 43 Modifications
	AO-4	P380	F-35C Engine Repair and Pilot Fit Facility
	AO-2	P284	F-35C Fleet Hangar 6 Aircraft Maintenance Hangar
	AOS-2	P385	F-35C Admin Dept
	TP-17	P381	Ops Parking Expansion
	AOS-3	P386	F-35C Weapons School Training Facilities
	AO-20	P351	F-35C Facility Upgrade and Addition (Hangar 3)
	AO-21		F-35C Response Team Space
	Master Plan Priority Projects	AO-28	P282
AO-25		P059	Corrosion Control Hangar
TP-11			Ops Side Pedestrian Improvements and Parking Reconfiguration
AO-26			Ops Side Fire Station Upgrade
AO-15		P242	Flightline Dining and Personnel Support Facility
AOS-7		P377	Addition to Bldg 30 for CVW-14 Restoration
AOS-1			Renovate Air Ops Building (Bldg 1) (RM11-95) and Construct Adjacent Annex
ORD-1		P276	Replace Missile Maintenance/Assembly Building

Concept for unaccompanied housing at intersection of Franklin Ave & Hancock Ave (PS-3/PS-5)

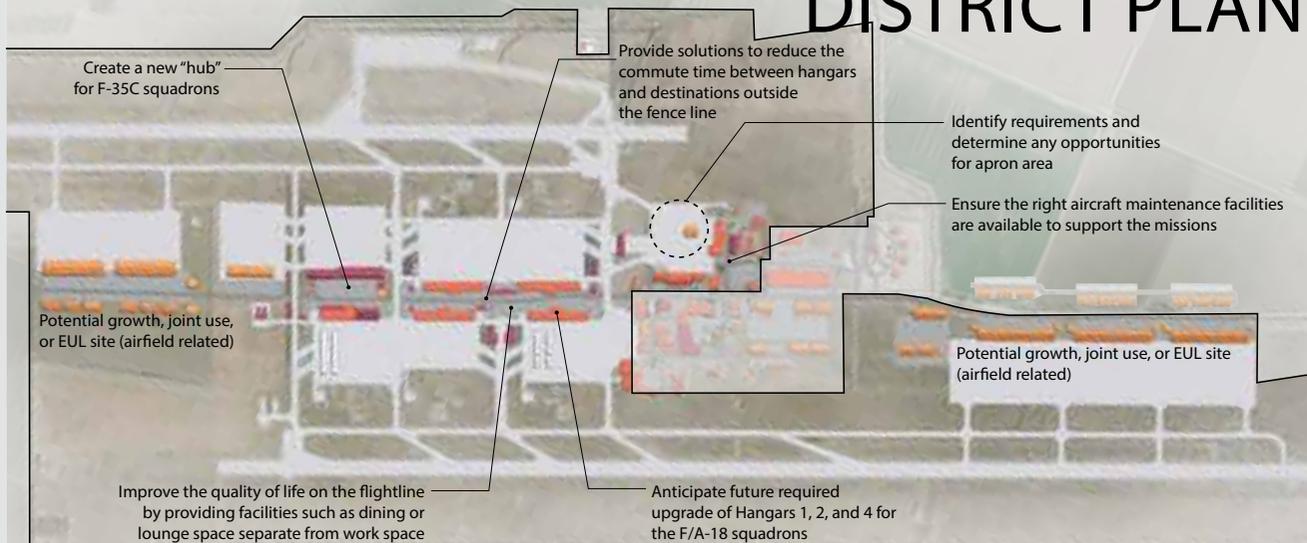


Master Plan Priority Projects (Continued)		
BA-8		Admin Side Fire Station Upgrade
TP-3		Construct New Main Gate with Pass and ID at Reeves Blvd and Franklin Ave
PS-2		Replace Admin Side Dining and Clubs with Consolidated Facility
PS-9	P358	Aviation Survival Training Center Replacement
PS-10	P366	NAVOPSPTCEN Lemoore
PS-3 / PS-5		Construct Mixed-Use UH, Recreation, and Retail Facilities at Admin Side
FH-6 / FH-7		Upgrade Karen Mechem Park and Relocate RV Park
JUT-1 / JUT-2	P382	SAR Multi-Use Training Compound
TP-1	P326	Commuter Bikeway
TP-6		Extend Family Housing Multi-Use Path Throughout Admin Side

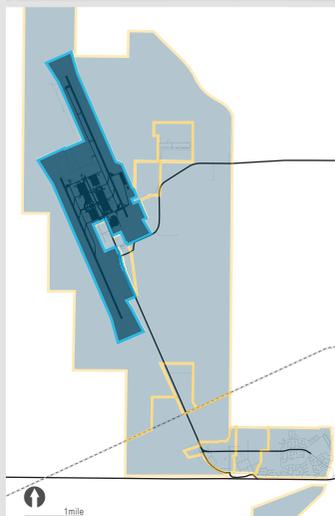
KEY TRANSPORTATION PROJECTS



AIRFIELD OPERATIONS DISTRICT PLAN

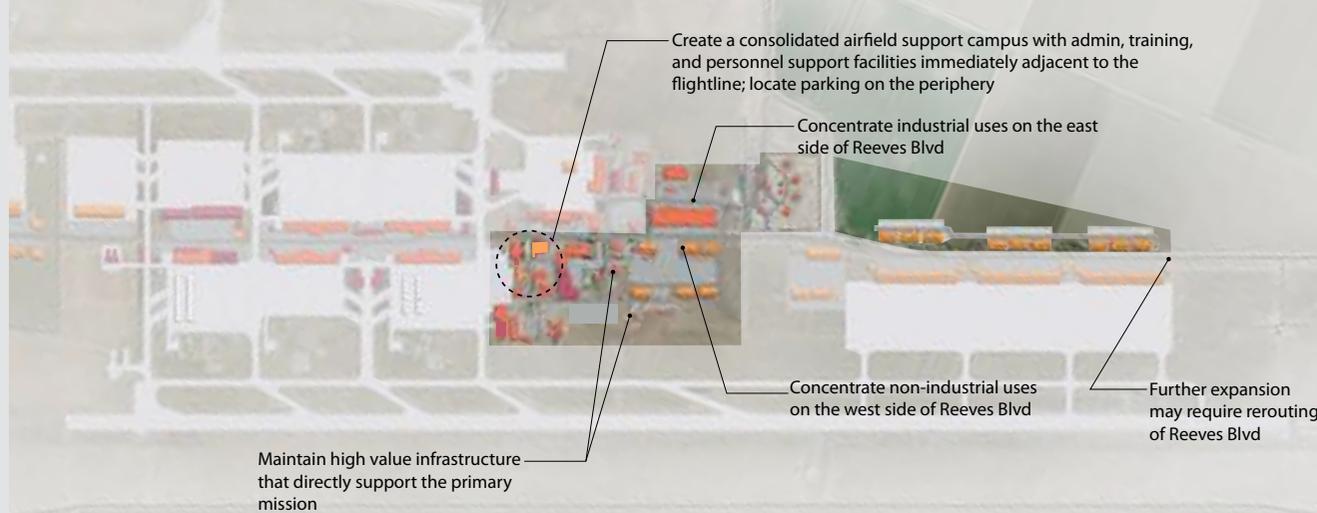


- Existing Facility
- Master Plan Projects
- Notional Facility

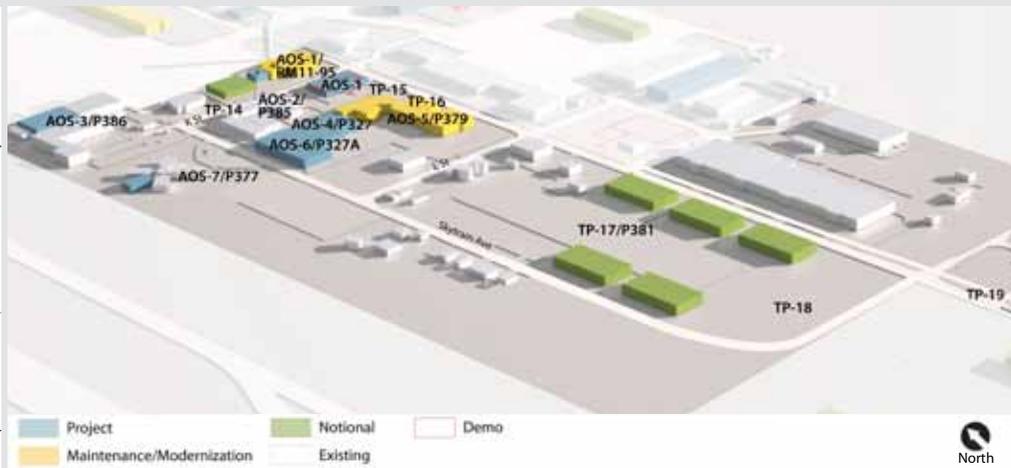
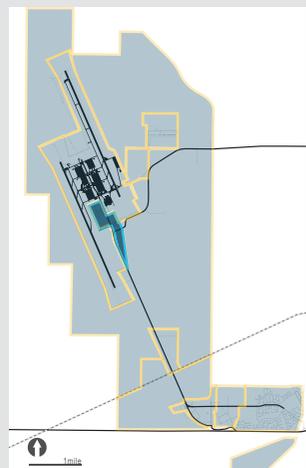


Master Plan COA No.	Project No.	COA
AO-1		Construct NAS Lemoore SAR Unit helo pad
AO-2	P284	F-35C Fleet Hangar 6 Aircraft Maintenance Hangar
AO-3		Place APEs on F-35C apron spots
AO-4	P380	F-35C Engine Repair & Pilot Fit Facility
AO-5	P218	RTO and Mission Debrief Facility
AO-6	P375	Construct hush house
AO-7		Construct line maintenance shelters with operational storage
AO-8		Designate open storage areas
AO-9	P378	F-35C FRS Hangar 5 Additions & Modifications
AO-10	P328	F-35C Facility Addition and Modification
AO-11		Determine F-35C parking requirements; upgrade aprons as needed
AO-12		Designate hot brake inspection
AO-13		Identify a future use for power check pads at Hangars 2, 3, and 5
AO-14	P242	Galley Replacement
AO-15		Construct additional Apron 2 and 4 apron access taxiways
AO-16		Install flightline power and air
AO-17		Install secure spaces in each hangar
AO-18	P351	F-35C Facility Upgrade and Addition
AO-19		Provide space for the Response Force Team
AO-20		Formally close portions of Bravo Taxiway; reclassify taxiway between Hangars 1 and 3 as a towway
AO-21		Construct additional Apron 1 and 3 apron access taxiways
AO-22		Evaluate feasibility to upgrade and expand existing hangars
AO-23	P059	Corrosion Control Hangar
AO-24		Modernize and expand Ops Side fire station
AO-25		Establish level two security area
AO-26	P282	F/A-18 Avionics Repair Facility Replacement
AO-27	P278	Extend Hotel Taxiway Parallel
AO-28		Replace Runway 32L lighting
TP-11		Flightline pedestrian improvements
TP-12		Flightline circulator shuttle
TP-13		Car and vanpool policies

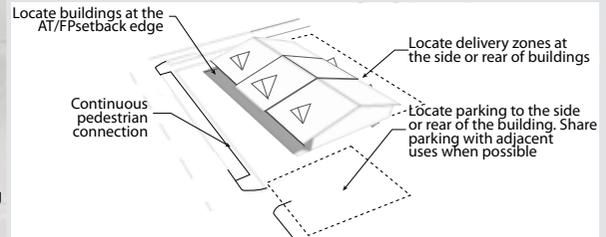
AIRFIELD OPERATIONS SUPPORT DISTRICT PLAN



- Existing facility
- Master Plan project
- Notional facility



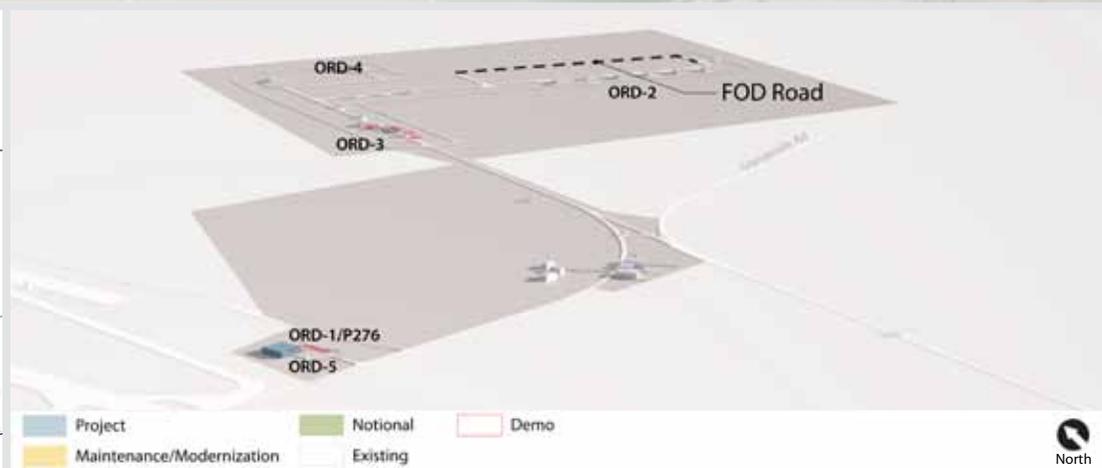
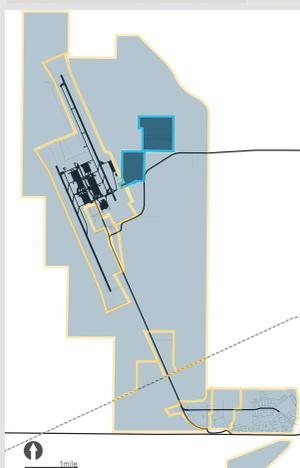
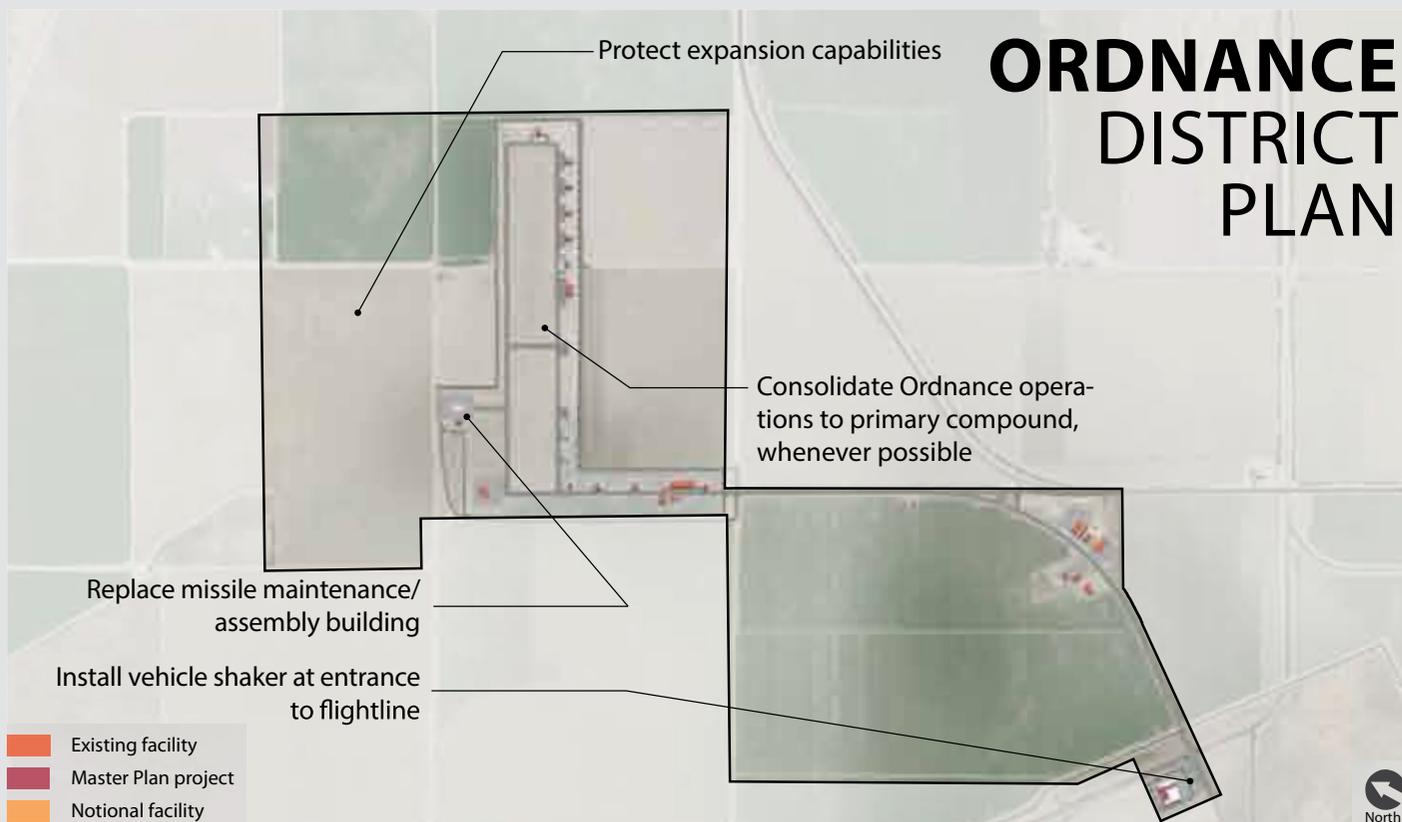
Concept closure of K St and notional replacement of existing Ops Side Galley



Building standard for future light industrial development

Master Plan COA No.	Project No.	COA
AOS-1		Repair/Upgrade Air Operations Building, Bldg 1 (RM11-95) and construct annex
AOS-2	P385	F-35C Admin Dept
AOS-3	P386	F-35C Weapons School Training Facilities
AOS-4	P327	F-35C Operational Training Facility
AOS-5	P379	P-35C PTC Phase II Bldg 43 Modifications
AOS-6	P327A	F-35C Academic Training Facility
AOS-7	P377	Additions to Bldg 30 for CVW-14 Restoration
TP-14		Ops Side pedestrian campus
TP-15		Post 3A improvements
TP-16		Shuttle passenger stop outside Post 3A
TP-17		Ops Side parking expansion near Bldg 140
TP-18		Skytrain Ave extension south toward Ops Side Gate
TP-19		Connection to Grangeville Blvd Bypass & Gate

ORDNANCE DISTRICT PLAN



Master Plan COA No.	Project No.	COA
ORD-1	P276	Replace missile maintenance/assembly building
ORD-2		New reconfigurable magazines
ORD-3		Perimeter fence at ordnance magazine compound
ORD-4		Inert material weather protection
ORD-5		Install vehicle shaker at entrance to flightline

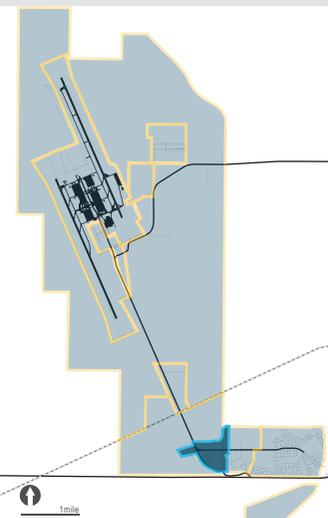
BASE ADMINISTRATION DISTRICT PLAN



Concept for future Admin Building at the intersection of Franklin Ave and Enterprise Ave



Static display/memorial concept at the new Main Gate



Master Plan COA No.	Project No.	COA
BA-1		CBMU compound reuse (October 2014)
BA-2	N450214	NEX gas station
BA-3		NEX drive-through car wash
BA-4	P349	Expand security building
BA-5		Address kennel shortfalls
BA-6		Upgrade NAVSUP warehouse Building 773 and identify additional uses
BA-7		Analyze recycling center alternatives
BA-8		Upgrade and expand Fire Station 61
BA-9	P300	Consolidated admin building
BA-10		New Public Works admin building
BA-11		New training building
BA-12		Upgrade Building 736 and provide satellite PSD offices Ops Side
TP-3		New Main Gate and Pass & ID
TP-5		Enterprise Ave travel lane reduction
TP-6		Multi-use pathway extension
TP-7		Admin Side pathway system

PERSONNEL SUPPORT DISTRICT PLAN

Encourage vertical and mixed-use development in the core to better cluster growth and amenities; preserve areas at the district periphery for future uses supporting mission growth

Consolidate personnel support uses (Club/Galley, UH, MWR, Navy College campus, credit union, post office, etc.) at the intersection of Hancock Ave and Franklin Ave to create a node of activity

Develop a linear open space with multi-use pathway and green infrastructure as a primary base organizational element connecting the Family Housing District to the east, Base Support activity node and retail area to the west, and the Ops Area to the north

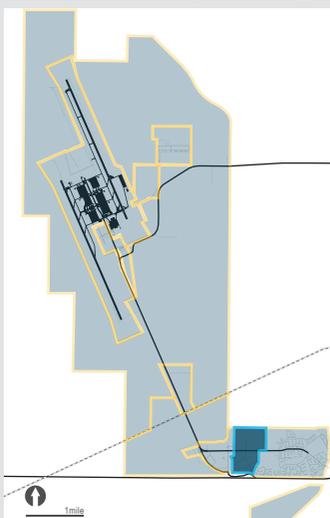
- Existing facility
- Master Plan project
- Notional facility



Concept for consolidated personnel support dining facility with unaccompanied housing



Concept personnel/community support facilities at the intersection of Franklin Ave and Hancock Ave

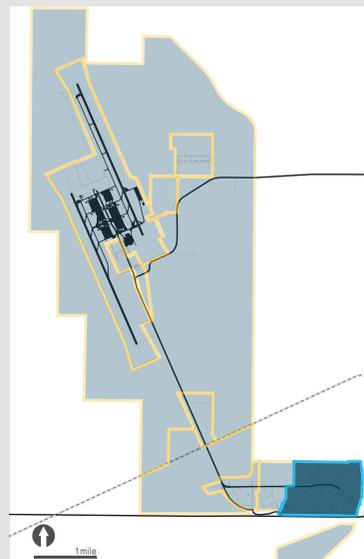


Master Plan COA No.	Project No.	COA
PS-1		Retain UH
PS-2		Galley replacement
PS-3		Construct new UH
PS-4		New indoor physical fitness center
PS-5		Construct new theater/credit union/post office/ Navy College/ recreational facilities
PS-6	P235	Religious education facility
PS-7		Relocate Community Programs storage to Building 773
PS-8	P311	Retractable lap pool enclosure
PS-9	P358	Aviation Survival Training Center (ASTC) Replacement
PS-10	P366	Reserve Training Building for NOSC Lemoore
TP-6		Multi-use pathway extension
TP-7		Admin Side pathway system

FAMILY HOUSING DISTRICT PLAN

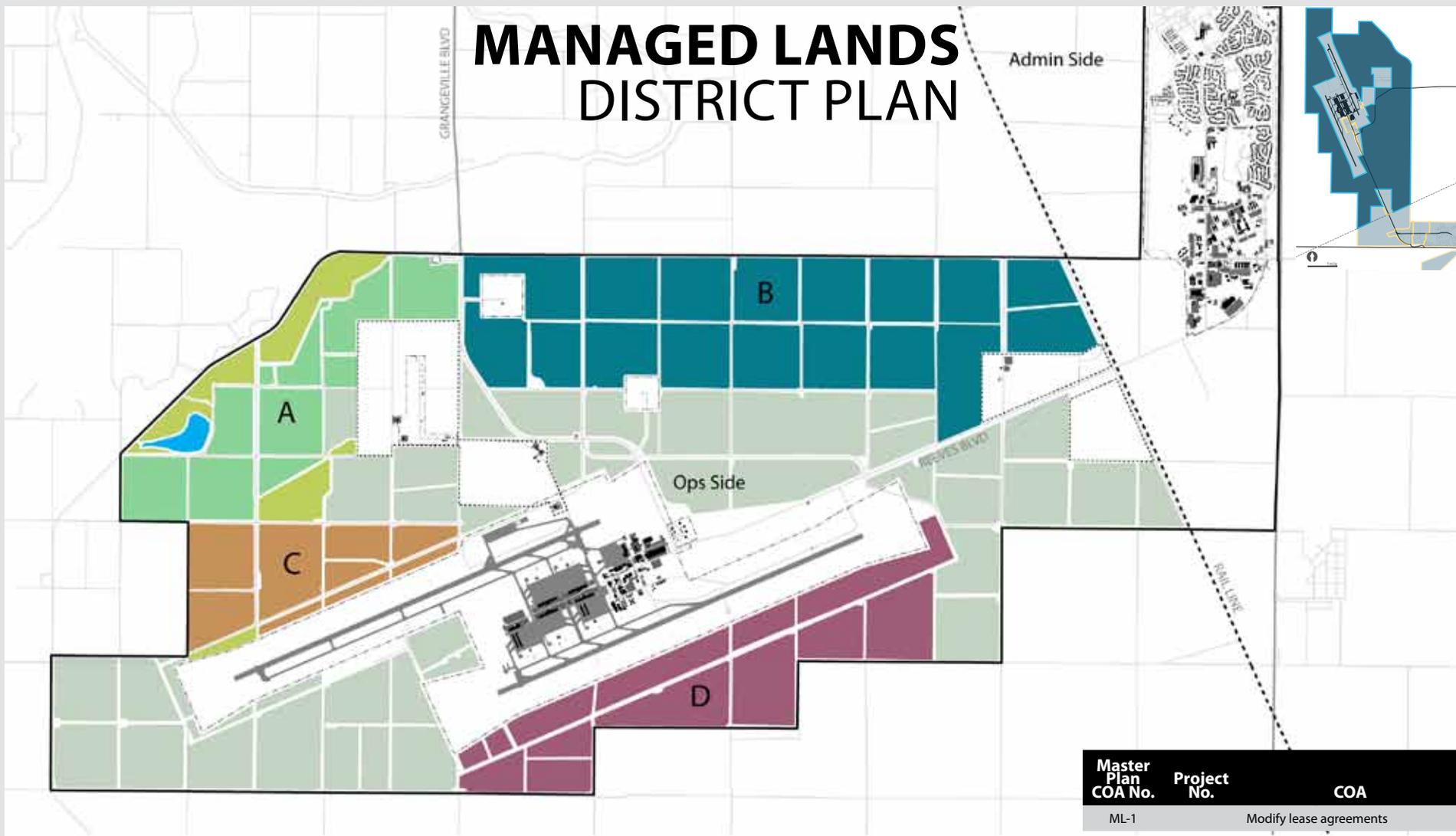


Concept for extended multi-use pathway through Admin Side



Master Plan COA No.	Project No.	COA
FH-1		Third party Child Development Center (CDC) Services
FH-2		Reconfigure building 966 for Fleet and Family Support Center (FFSC) and provide a facility at the Ops Side to better serve flightline personnel
FH-3		Renovate the Teen Center to expand the gym and provide a computer lab
FH-4		Expand Akers Elementary
FH-5		Create a biology-chemistry lab
FH-6		Relocate the RV park to Karen Mechem Park
FH-7		Upgrade Karen Mechem Park
TP-7		Admin Side pathway system

MANAGED LANDS DISTRICT PLAN



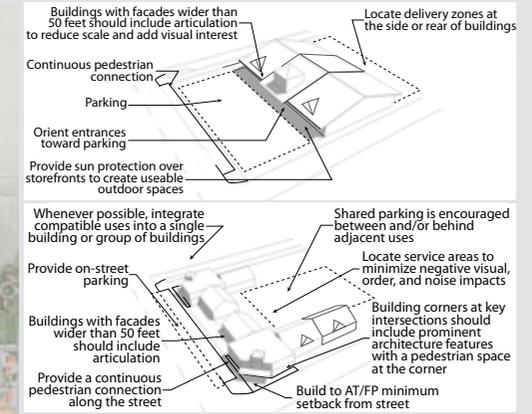
- Agricultural Lease
- Site C - 790 Acres (Possible PV Site)
- Natural Resource Management Area
- Site D - 2,232 Acres (Possible PV Site)
- Site A - 1,217 Acres (Grazing Management)

Fenceline
 District Boundary
 Installation Boundary

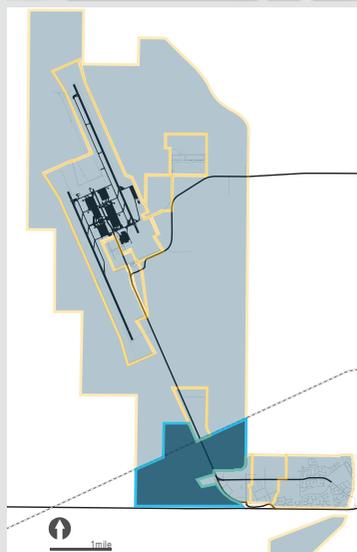

 North

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ENHANCED USE LEASE DISTRICT PLAN

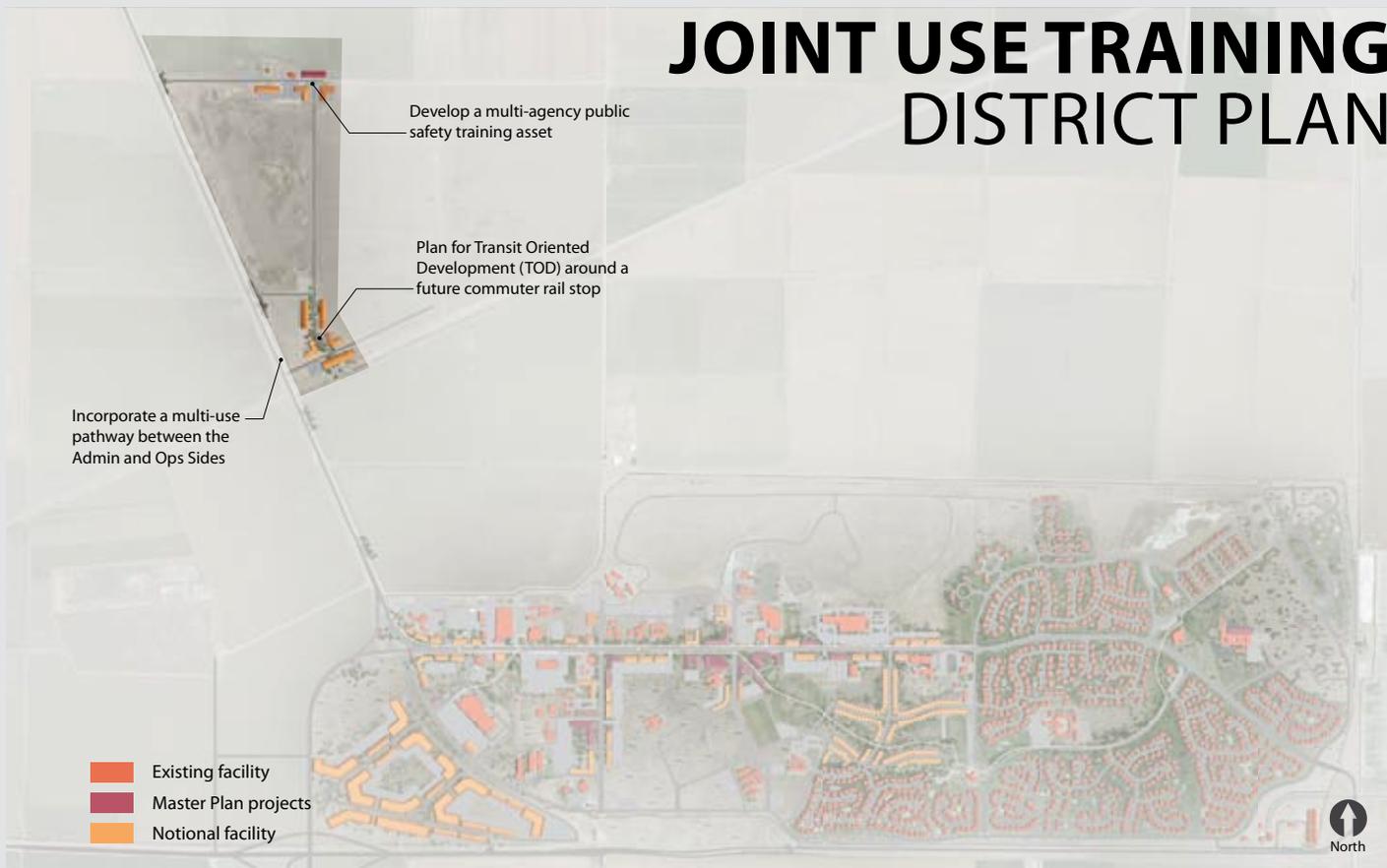


Building standards for future destination commercial (top) and low rise mixed use (bottom) development

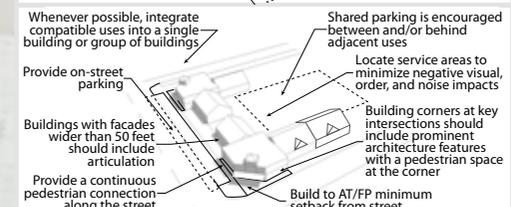
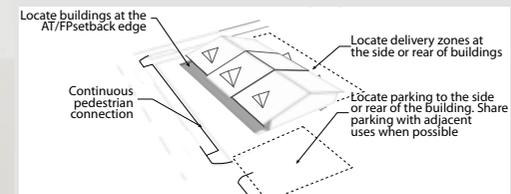


Master Plan COA No.	Project No.	COA
EUL-1		Explore EUL partnerships
TP-4		Highway 198 interchange

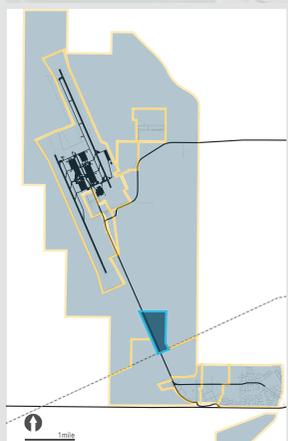
JOINT USE TRAINING DISTRICT PLAN



Concept commuter rail station linking NAS Lemoore with region



Building standards for future light industrial (top) and low rise mixed use (bottom) development



Master Plan COA No.	Project No.	COA
JUT-1		Construct a joint use training facility
JUT-2		Construct a rappel tower
JUT-3		Commuter rail stop and TOD
TP-1		Multi-use path between Admin and Ops Sides
TP-2		Commuter rail connection





NAVAL AIR STATION LEMOORE INSTALLATION MASTER PLAN 2030

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