

# PROGRAM MANAGEMENT OFFICE



## SECURITY, JUSTICE, and the IRAQ NATIONAL DEFENSE FORCE

**CPT Brian Song, USA**

Coalition Provisional Authority



# WELCOME TO IRAQ

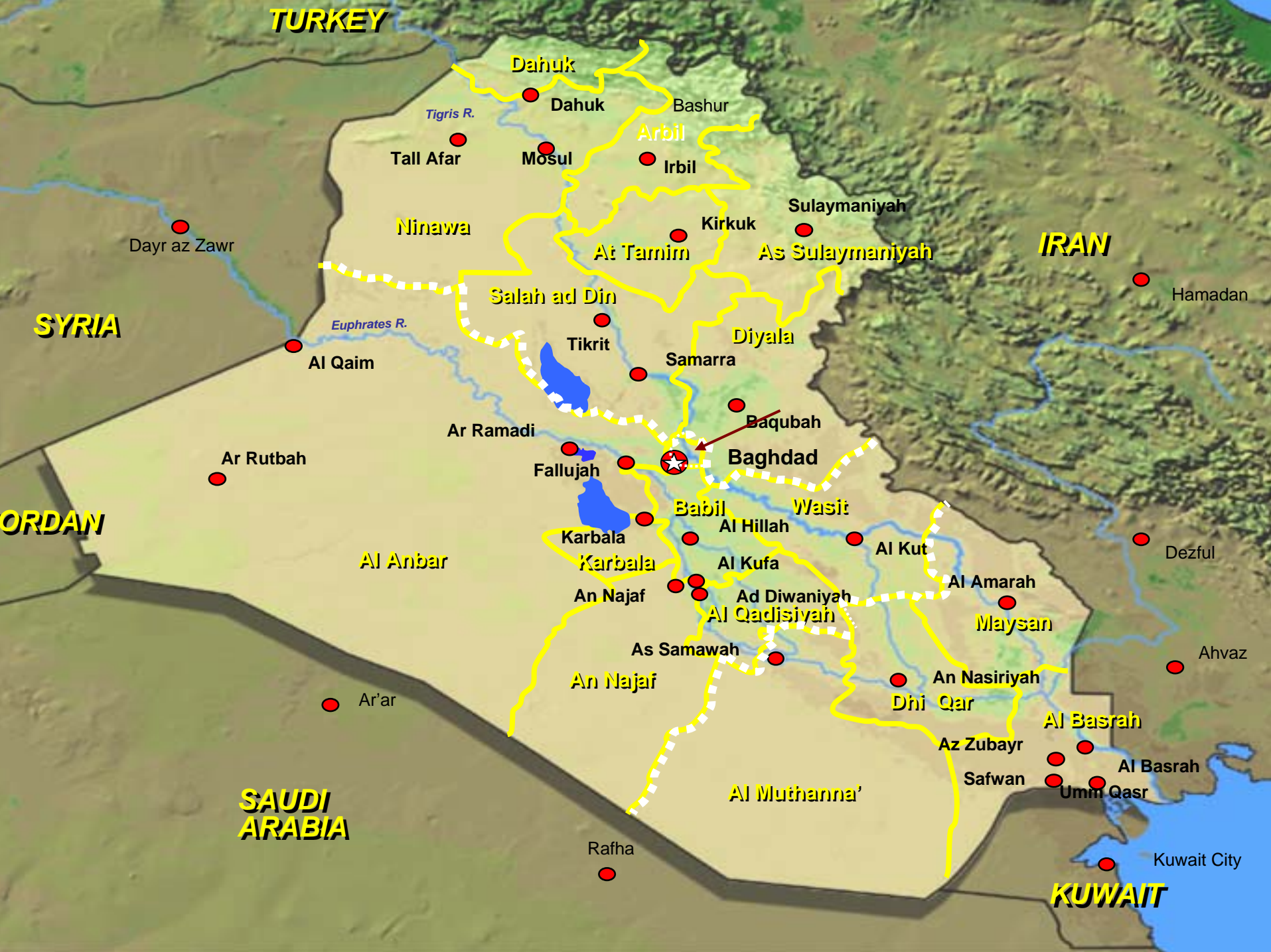
- **Introduction**
- **Security infrastructure**
- **Justice/public safety infrastructure**
- **The new Iraq military**



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**TURKEY**

**SYRIA**

**JORDAN**

**SAUDI ARABIA**

**IRAN**

**KUWAIT**

Dahuk

Tall Afar

Dayr az Zawr

Ninawa

Salah ad Din

Al Qaim

Ar Rutbah

Al Anbar

Ar'ar

An Najaf

Karbala

Karbala

An Najaf

Rafha

Tigris R.

Euphrates R.

Dahuk

Mosul

Arbil

Irbil

At Tarnim

Tikrit

Ar Ramadi

Fallujah

Karbala

Karbala

An Najaf

As Samawah

An Najaf

Bashur

Kirkuk

Sulaymaniyah

As Sulaymaniyah

Diyala

Samarra

Baqubah

Baghdad

Babil

Al Hillah

Al Kufa

Ad Diwaniyah

Al Qadisiyah

Al Muthanna'

Kirkuk

As Sulaymaniyah

Wasit

Al Kut

Al Amarah

Maysan

An Nasiriyah

Dhi Qar

Az Zubayr

Safwan

Al Basrah

Al Basrah

Al Basrah

Ummi Qasr

Kuwait City

Hamadan

Dezful

Ahvaz

# INTRODUCTION

- **Current construction climate**
- **The U.S. emergency supplement**
- **The security sector**
- **The justice/public safety sector**
- **The military sector**
- **Questions**





# THE CURRENT CONSTRUCTION CLIMATE

- **Violent deaths in Baghdad**
  - **Prewar: 16 violent deaths/month in Baghdad**
  - **Aug. 2003: 872 violent deaths; 498 by firearms**
  - **Sept. 2003: 667 violent deaths  
372 by firearms (Source: Baghdad Morgue)**
- **No. of Iraqi security forces vs. no. required**
  - **Police: 55, 000 Iraqi security forces;  
75,000 required**
  - **Army: 700 operating; 40,000 required  
(Source: CPA)**
- **Highly educated and highly motivated workforce**
- **“Booming” cement industry**



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# U.S. EMERGENCY SUPPLEMENTAL

- **\$18.6 billion USD for Iraqi reconstruction**
- **\$360 million USD for security**
  - Border patrol stations
  - Police stations
- **\$848 million USD for justice/public safety**
  - Fire stations
  - Prisons
  - Judicial security
  - Civil defense corps
  - Facilities protection services
- **\$745 million USD for military**
  - Iraq army



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# THE SECURITY SECTOR

## Borders

- **Improvements to buildings are needed at 27 points of entry to provide faster trade flow and a smooth collection of tariffs**
- **Ports of entry at the Baghdad, Basrah and Mosul airports must be upgraded**
- **Two seaports, Al Basrah and Um Qsar, where customs operations need rehabilitation**



# THE SECURITY SECTOR

## Borders

- **There are an estimated 120 to 150 border police posts along the 3345 kilometer-long border with Saudi Arabia, Jordan, Syria, Kuwait, Iran, and Turkey**
- **Minor refurbishment is needed at an estimated 245 Nationality Offices throughout the country**
- **A new immigration headquarters building will be constructed in Baghdad**





# THE SECURITY SECTOR Borders

- **Between 20 and 25 “Denial” points need to be rehabilitated or constructed**



# THE SECURITY SECTOR Borders

- **The existing border police headquarters and customs police headquarters in Baghdad need major renovations**
- **Two training facilities in the range of 10,000 to 12,000 square feet are expected to be built in Suleymaniyah and Tahok or Urbil**





# PROPOSED BORDER PROJECT

## General Scope of Work

### Replacement of/or:

- Iron doors
- Wood doors
- Glass for windows with screens
- Repair and paint interior walls
- Repair and replace sinks and fixtures
- Repair and replace toilets and fixtures
- Restoration of all piping to allow plumbing and water to flow in the facility
- Repair and replace showers
- Supply and replace florescent lights
- Supply and replace 13 amp outlets
- Supply and install 36 line distribution boards
- Repair and replace plaster for walls
- Restoration of all air conditioning and heating
- Roofing work to cover entire square footage of the fort
- 1ea 60 Kva generator (440 single phase/50 hertz)
- 1ea 500 gallon fuel tank
- 1ea 24,000 BTU ECU to cool the entire facility
- 1ea 3,000 gallon water tank
- 1ea 5,000 gallon sewage storage tank



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- Masonry to reconstruct the 2 back walls
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# THE SECURITY SECTOR Police

- An estimated 150 police stations throughout the country need upgrading and in some cases new construction is required
- Buildings were heavily damaged in the looting and burning after the war. While some facilities have been rehabilitated, many need major work.
- Force protection is a key issue as police buildings have been targets of terrorist attacks





# THE SECURITY SECTOR Police

- **Police stations**
- **Construction of 20 to 24 police checkpoints on major streets and roads leading into the city**
- **Rehabilitation of vehicle maintenance facilities**
- **Construction of a fuel tank pad**



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# THE JUSTICE/PUBLIC SAFETY SECTOR Fire Facilities

- Existing fire stations were damaged by looting
- In the Baghdad area alone it is estimated that 96 new stations are needed. An estimated \$71M is needed to bring the country up to an acceptable level of coverage





# THE JUSTICE/PUBLIC SAFETY SECTOR Fire Facilities

- **An estimated 179 fire stations throughout the country need to be rehabilitated**
- **Facilities in Baghdad have been or are being upgraded**
- **Over 200 new stations need to be built country-wide**
  - 111 have been classified as High Priority
  - 50 have been classified as Moderate Priority
  - 43 have been classified as Low Priority



# THE JUSTICE/PUBLIC SAFETY SECTOR Fire Facilities

- **Construction of buildings is expected to be of concrete and tile block or other suitable materials as necessary**





# THE JUSTICE/PUBLIC SAFETY SECTOR

## Fire Facilities

- **A national fire academy is planned in Baghdad**
- **Provides training for firefighters throughout the country**
- **Over 100,000 square feet of classroom, dormitory, equipment, vehicle, and similar space**



# THE JUSTICE/PUBLIC SAFETY SECTOR Prisons

- **Current planning calls for the rehabilitation of existing prisons, conversion of other buildings to prisons or juvenile detention facilities**
- **A new 3,500 to 4,000 bed correctional complex is planned**
- **The new facility will contain juvenile, minimum, intermediate, and maximum security buildings at one location**





# THE JUSTICE/PUBLIC SAFETY SECTOR Prisons

- **All areas of the country will have correctional facilities that range in size from 350 bed juvenile buildings through 500 to possibly 2000 bed adult complexes**
- **The facilities should be considered “low-tech”**



# THE JUSTICE/PUBLIC SAFETY SECTOR Prisons

- **Personnel rather than sophisticated electronic equipment**
- **A standard of 25 square feet of living space will be provided for each inmate. Beds, showers, and sanitary facilities will be provided.**





# THE JUSTICE/PUBLIC SAFETY SECTOR Courts

- It is estimated that there are 130 to 150 court buildings throughout the country that need upgrading
- Improvements range from provision of outside security to complete renovation to fully operational buildings



# THE JUSTICE/PUBLIC SAFETY SECTOR Courts

- **Several court buildings have been upgraded but may need additional work**
- **Estimated cost to rehabilitate, relocate, or build new court facilities is \$56 M**





# THE JUSTICE/PUBLIC SAFETY SECTOR Courts

- **Before and After Refurbishment**



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# THE JUSTICE/PUBLIC SAFETY SECTOR Civil Defense

- **Existing buildings need rehabilitation and some new construction is anticipated to provide necessary services for the local communities**
- **Between 100 and 150 buildings throughout the country will be involved**





# THE JUSTICE/PUBLIC SAFETY SECTOR Civil Defense

- **More than \$22 M is expected to be spent on civil defense facilities with the goal of constructing or renovating existing facility to provide at least one central civil defense building in the main “capital” city for each governorate**
- **The present civil defense headquarters building in Baghdad needs rehabilitation and will serve as the central headquarters for the Iraqi Civil Defense**



# THE JUSTICE/PUBLIC SAFETY SECTOR

## Facilities Protection

- **The Facilities Protection Service provides security at governmental buildings throughout the country**
- **A headquarters building in Baghdad and operations centers in the 18 governorates are anticipated to be included in the supplemental funding**
- **Estimated construction cost for the facilities is \$4-5,000,000**





# THE MILITARY SECTOR

## Iraq's Old Military



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# THE MILITARY SECTOR

- **The Iraqi National Defense Force**
- **New Iraqi Army**
- **New Iraqi Navy**
- **New Iraqi Air Force**





# THE MILITARY SECTOR

## Iraqi National Defense Force

- **Current plans call for a new Iraqi Army of 40,000 persons**
- **27 battalions (9 brigades) of motorized infantry**
  - **Small naval battalion for coastal defense**
  - **Small air force with a few rotary and fixed wing aircraft**
  - **Stand up by end of September 04**
- **Sited at 18 locations from north to south**



# THE MILITARY SECTOR

## Iraqi National Defense Force

- **Current state of facilities ranges from bad to worse**
- **Caused by:**
  - **First Gulf War in 1991**
  - **Lack of maintenance**
  - **Looting**
  - **Vandalism**





# THE MILITARY SECTOR

## Iraqi National Defense Force

- **Scope of work will be design-build**
  - **Currently 27 identified Task Orders**
  - **Task Orders expected to range from \$400K to \$40M**
- **Expect the full range of design and construction activities starting with site clean up**
- **Trash outside**
- **Trash inside**



# THE MILITARY SECTOR

## Iraqi National Defense Force

- **Some facilities have survived in tact**





# THE MILITARY SECTOR

## New Iraqi Army



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# THE MILITARY SECTOR

## New Iraqi Army



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# THE MILITARY SECTOR

## Iraqi National Defense Force

- **Others Will Need Extensive Repairs and Refurbishment**



# THE MILITARY SECTOR

## Iraqi National Defense Force



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# THE MILITARY SECTOR

## Iraqi National Defense Force



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# THE MILITARY SECTOR

## Iraqi National Defense Force



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# THE MILITARY SECTOR

## Iraqi National Defense Force



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# THE MILITARY SECTOR

## New Iraqi Naval Facilities

### Naval Facilities at Port of Umm Qasr



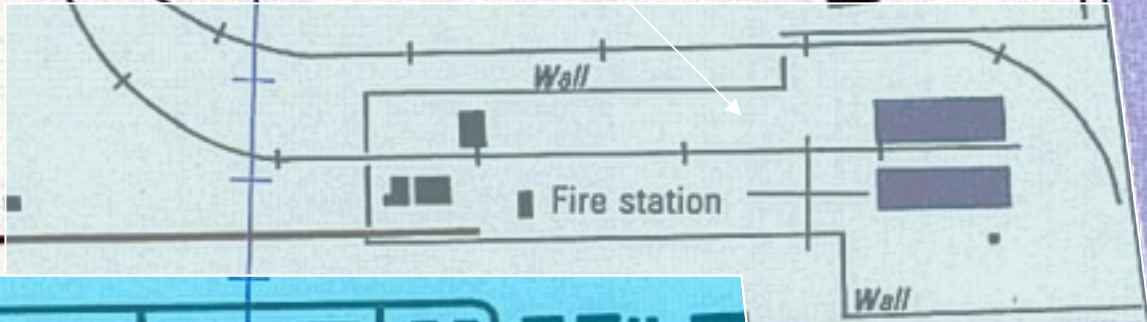
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# Port Layout

Port / Garrison  
(Area II)



Family Housing  
(Area IV)



Port Expansion  
(Area III)



# Current Port Layout

Perimeter Fence  
Repair and Extension  
(includes Gate)

Storage Bldg

Port HQ

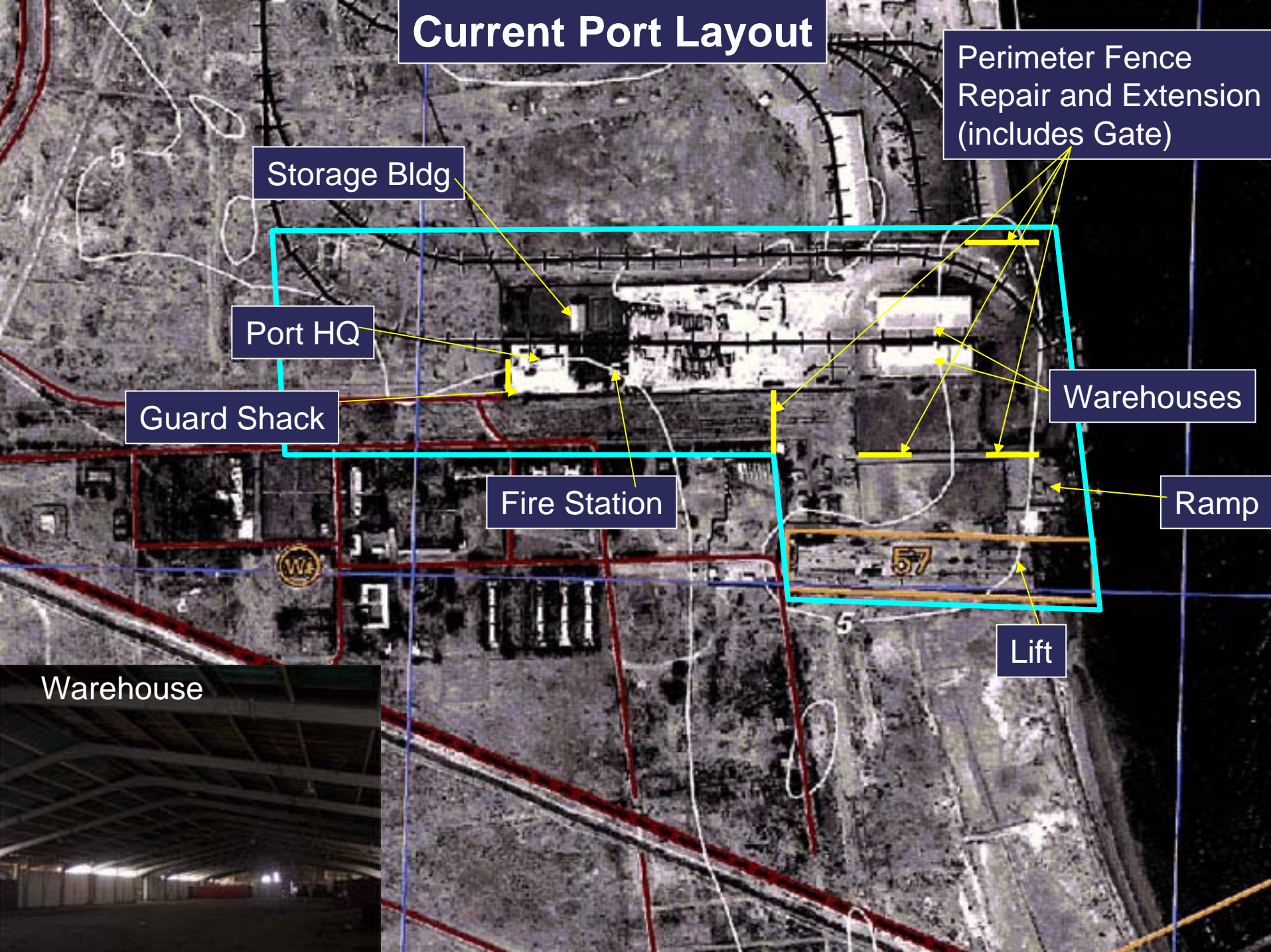
Guard Shack

Fire Station

Warehouses

Ramp

Lift

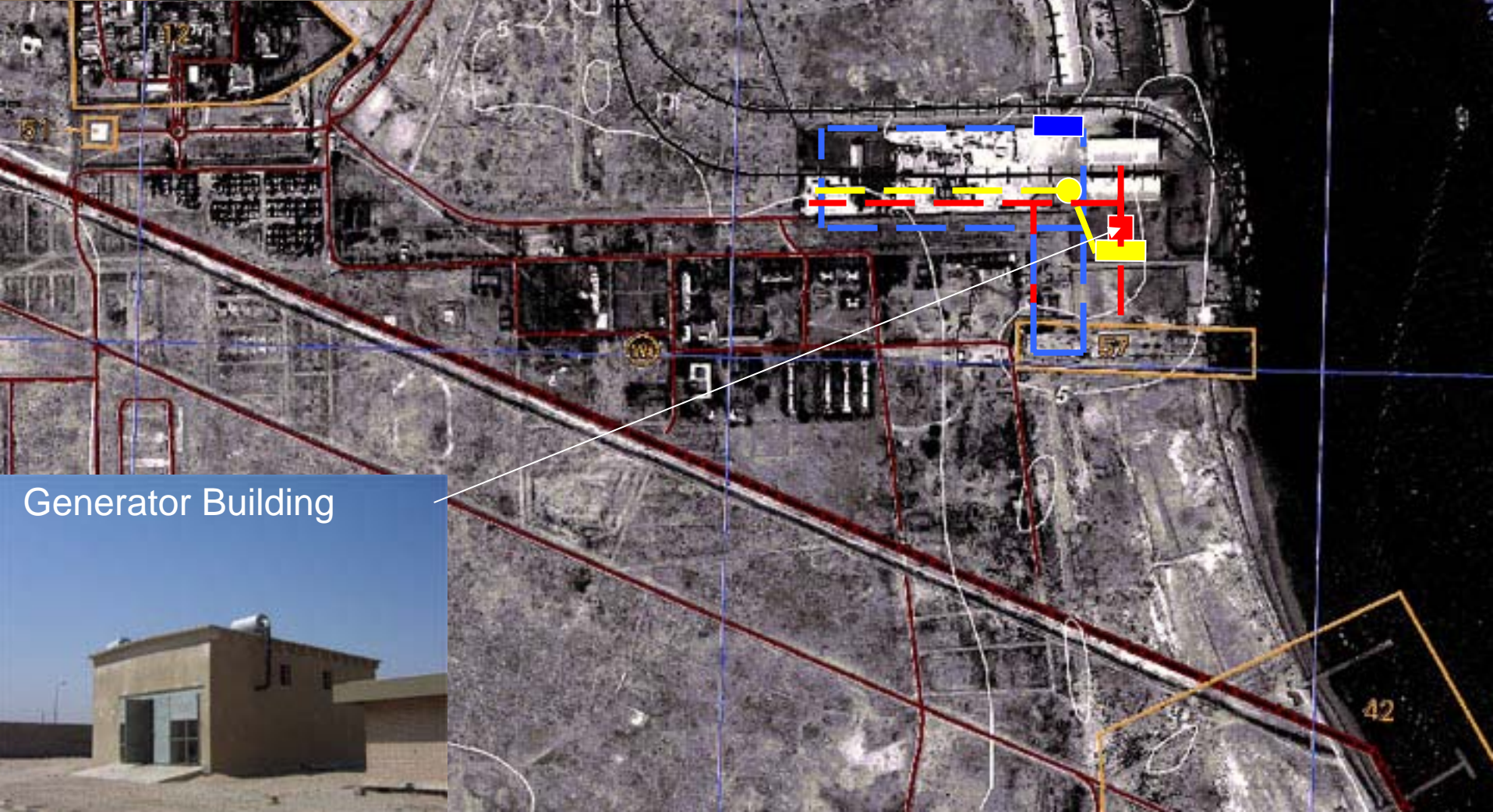




Lights and Power Poles



# Utilities Phase I



Generator Building





# THE MILITARY SECTOR

## New Iraqi Facilities

- **General scope of work**
- **New windows**
- **New doors**
  - Electric
  - Plumbing (Eastern and Western)
  - Air conditioning
  - Lighting
  - Barracks
  - Dining halls
- **Multi-purpose**
  - Offices
  - Classrooms
  - Community facilities for café, mosque, post office, barber, etc.





# THE MILITARY SECTOR

## New Iraqi Facilities

**TADJI**

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# Location





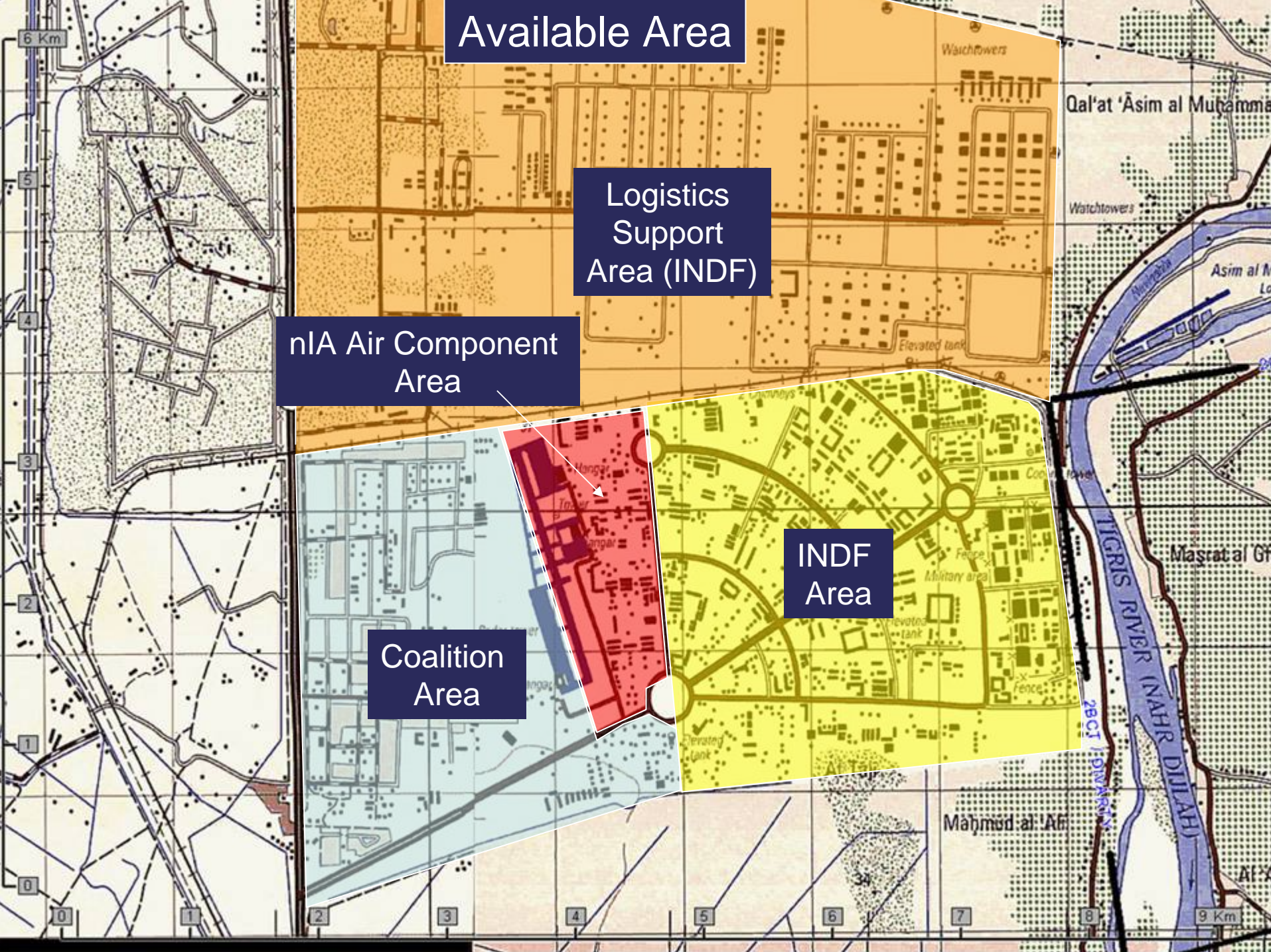
Available Area

Logistics Support Area (INDF)

nIA Air Component Area

Coalition Area

INDF Area





# 1<sup>st</sup> Battalion

## Area Requirements:

### LSA

- CIF
- DOL
- CL I, III, IV, VI, VIII, IX

## Area Requirements: Garrison/Brigade HQ

## Area Requirements:

- Battalion and Company HQ
- Barracks for Bn (1000)
- Officer / NCO Billets
- Classroom Space
- Motorpool Space  
(covered park for 100 veh)
- Maintenance Space
- Dining Facility
- Aid Station
- PX/Commissary Vending Area
- MWR: Gym, Soccer Field, Theater
- Shower and Shave Facilities
- Toilets
- Obstacle Course
- PT Field (Soccer and MP)
- Parade Field
- Mosque
- Fire Station Building (?)
- Restaurant (Vendor Area)
- Arms Room
- Company Supply
- Lecture Rooms (70 – 80pax)
- Fenceline
- Barbershop
- Bank
- Post Office



# QUESTIONS?



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