

APPENDIX B – CSC Cedar II Master Plan

Convoy Support Center (CSC) Cedar II Master Plan



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Appendix B - CSC Cedar II Master Plan

1. Introduction

This is update to the Camp Cedar II Base Camp Master Plan originally submitted 23 Apr 05. Camp Cedar II serves as a Convoy Support Center (CSC) for vehicles traveling between CSC Navistar in Kuwait and CSC Scania south of Baghdad, Iraq along MSR Tampa. Camp Cedar II is located approximately (b)(1)1.

(b)(1)1.4g West of An Nasiriyah, Iraq near the intersection of ASR Indy & MSR Tampa.

1.1 Planning Team

Camp Cedar II is currently commanded by the commander of the 119th Corps Support Battalion (CSB), which is under the Command and Control (C2) of the 122d Corps Support Group (CSG) which also serves as the commander of LSA Adder (Base Camp Adder/Ali Base (Tallil AB), Camp Cedar II and CSC Scania) at Base Camp Adder/Ali Base (Tallil AB). The 122d CSG, the LOGCAP ACO and DPW provide financial, logistics and engineering support to Camp Cedar II.

1.2 Mayor Cell

The 119th CSB has established a Mayor's Cell to help develop and implement the Base Camp Master Plan. Representatives from all tenant units and civilian contractors (KBR & ITT) participate in Base Camp Planning Meetings on Camp Cedar II. Specific areas of interest include Force Protection, Wholesale and Retail Fuel Operations and improved Quality of Life for permanent party and transient service members (SM's) and civilian contractors.

2. Planning Factors and Considerations

2.1 Approach

This Base Camp Master Plan is developed for a 12-18 month period of performance. The current plan is to relocate Camp Cedar II personnel, equipment & operations onto Base Camp Adder/Ali Base (Tallil AB) in approximately 12 months. Contractor clean-up will be required following the relocation process. When the new Refuel on the Move (ROM) and Remain Overnight (RON) sites are completed, Camp Cedar II operations will relocate and consolidate with the future GS Hub on Base Camp Adder/Ali Base (Tallil AB) in the March-June 2006 time-period.

2.2 Planning

Planning for Camp Cedar II assumes that the population will remain constant with current strength figures. The relocation also assumes funding for the ROM/ROM/GS Hub will be available. Camp Cedar II houses approximately 1,000 permanent party SM's and maintains 1,400 beds/cots for ROM SM's. The intent is to sustain the Quality of Life at Camp Cedar II and continue to improve and sustain Force Protection measures.

3. Installation Overview

3.1. Location

Camp Cedar II is located in Dhi Qar province, in the Iraqi southern district, (b)(1)1.4a, (b)(1)1.4g The Iraqi Air Force/Army originally used this site as an Iraqi Air Defense school and training site. Numerous large and small ammunition storage bunkers are located throughout the area. Most of the facilities were destroyed during the Persian Gulf War in 1991 and subsequent missions during Operation Southern Watch. US Army CSS units began to occupy the area in the spring and summer of 2003.

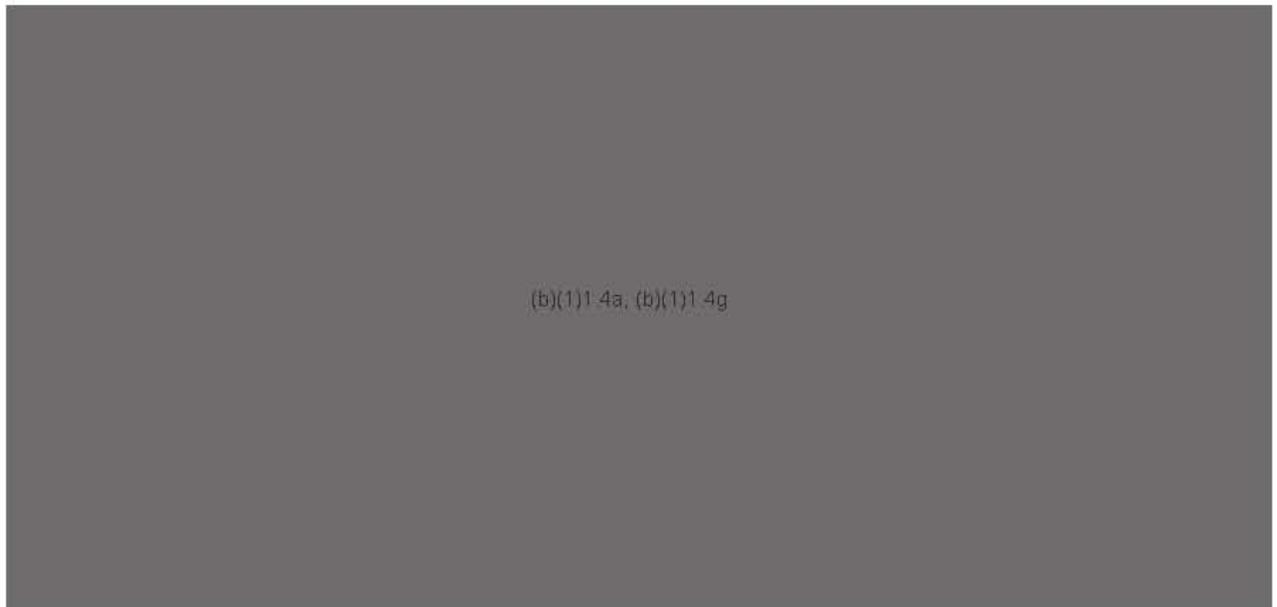


Figure 1: Base Camp Layout Map

3.2 Mission, Organization and Tenant Units

The primary mission of Camp Cedar II (Figure 1) is to operate as Convoy Support Center that provides a full range of logistical support to all military and civilian convoys (b)(1)1.4a, (b)(1)1.4g

Camp Cedar II provides the following services:

(b)(1)1.4a, (b)(1)1.4g

The 119th CSB provides C2 of Camp Cedar II through its staff and Mayor's Cell. As of 1 April 2005, the following units occupy Camp Cedar II:

- HHD, 119th CSB
- 110th QM CO (POL)
- 202 QM (Water) DET
- 2101 TRANS CO
- 1438 TRANS CO
- 215th QM CO
- PLT, 119 CTC
- 254th QM CO (FS)

3.3 Vicinity Overview

Relatively flat, open land surrounds Camp Cedar II. MSR Tampa is located approximately (b)(1)1.4g from the South Entry Control Point (ECP) at Camp Cedar II. ASR Indy is located (b)(1)1.4a, (b)(1)1.4g. The land around the camp is open, with small Bedouin encampments within 2 kilometers of the camp's perimeter. There are no other developed areas in the vicinity.

4. Component Plan Overview

4.1 Composite Constraints and Opportunities

This section assesses the current situation at Camp Cedar II with an analysis to achieve the desired end state of development. This chapter establishes the basic framework and specific options for developing and managing the base while documenting base capabilities, constraints, and enhancement opportunities. It specifies optimum land use to enhance mission accomplishment and quality of life support. It also identifies expansion capabilities based on current and known future missions.

4.1.1 Operational Constraints

4.1.1.1 Existing Open Areas

The majority of Camp Cedar II has been developed for base camp operations. There are some areas on the west side of the camp that are open and available for use if necessary. The only restriction to perimeter growth is land acquisition and the western boundaries that are near to MSR Tampa.

4.1.1.2 Explosive Safety Zones

Camp Cedar II (b)(1)1.4g . In conjunction with the LSA Adder DPW in designing a BLAHA (Basic Load Ammunition Holding Area). Ammunition which is classified as HC 1.1 and 1.2 must be (b)(1)1.4g away from any inhabited building. There also Category I and II categories of ammunition,

(b)(1)1.4a, (b)(1)1.4g

4.1.2 Environmental Constraints

This section provides a description of the baseline environmental conditions at Camp Cedar II and the ability to support assigned missions. It will address areas having any known or potential environmental concerns. It also serves as a framework for future environmental studies, to include a plan to close Camp Cedar II, and clear known environmental hazards or concerns.

4.1.2.1 Cultural Resources.

There are no known cultural resources located on Camp Cedar II.

4.1.2.2. Natural Resources

The soil in the area in and around Camp Cedar II is composed of silty clays that extend many feet below the ground surface.

4.1.2.3 Topography and Physiography

The installation is located on the outer edge of the Euphrates River flood plain that is primarily open desert with very little vertical relief. Approaches to the installation are open areas that provide excellent field of view for security forces.

4.1.2.4 Underground Hazards

No current information is available concerning buried utilities consisting of electrical, water and wastewater lines. These utilities may be hazardous considerations for construction projects.

The Environmental Site Survey, dated 30 April 2003 indicates that a UXO sweep was conducted on Camp Cedar II. A UXO survey or sweep was performed on Camp Cedar II, however, no written reports or markings are available to confirm the actual UXO clearance.

4.1.2.5 Climate and Weather

The winters in the area are relatively mild with mean high temperatures in the 50's. There are few days below freezing. The summers however, are quite severe. The mean temperature is in the low-90s with daily highs occasionally in excess of 120 degrees Fahrenheit.

The majority of precipitation occurs between November and April with average annual rainfall of approximately 23 centimeters (9.1 inches). Except for localized flooding during heavy rain events, rainfall will not affect installation development. The soil is silty clay and generally does not percolate rainwater. This necessitates storm water detention basins for surface water runoff. Extensive drainage design must accompany any horizontal construction.

The dry climate and high temperatures combine to create a significant dust problem. The problem is extreme during the spring months when moderate to severe dust storms occur. During the summer and autumn months, the dust is problematic but does not affect installation development.

4.1.2.6 Pest Management

The primary health risks at Camp Cedar II are Leishmaniasis from sand flies and Malaria from mosquitoes. There is also a growing number of stray dogs and cats on Camp Cedar II. A civilian contractor provides pest and vector control.

4.1.2.7 Environmental Concerns

An Environmental Site Survey was conducted by DET C, US Army Facility Engineer Group, on 30 April 2003.

4.2 Utilities and Services

4.2.1 Water production System

There is no existing permanent water system on Camp Cedar II.

4.2.1.1 Current Status

Water is pumped from the Euphrates River into canals into a holding pond. All water is drawn from a man-made holding pond located on the west side of Camp Cedar II. The LOGCAP contractor (KBR) operates commercial ROWPU's to purify, store and distribute potable water.

4.2.1 Wastewater System

Camp Cedar II does not have a permanent wastewater collection system.

4.2.2.1 Current Status

Of special concern is a grey water sewage lagoon located near the DFAC. The lagoon is creating a health and odor problem. Contract tanker and pump trucks haul and dump wastewater into the sewage lagoon. It is recommended that the Base Camp Adder/Ali Base (Tallil AB) DPW design a plan to relocate the grey water lagoon to another site.

4.2.3 Storm Drainage

4.2.3.1 Current Status

During January/February 2005, the LSA Adder DPW and units of the 194th EN BDE dug numerous swales and drainage ditches in and around the living areas and work areas at Camp Cedar II. These swales and drainage ditches have significantly improved drainage during periods of limited rain. The 119th CSB recommends the construction of a more permanent fence or enclosure around the drainage ditches. This presents a safety hazard to vehicle and pedestrian traffic.

4.2.4 Electrical

4.2.4.1 Current Status

Camp Cedar II has internal (b)(1)1.4g Commercial and (b)(1)1.4g The base uses a wide variety of both small and large generators and the contractor provides power on an "as needed" area basis. The large generators have high operational and maintenance requirements with 24 hour-a day operations in an extremely difficult hot environment. (b)(1)1.4g

(b)(1)1.4g

4.2.5 Communication

4.2.5.1 Current Status

(b)(1)1.4a, (b)(1)1.4g

4.2.6 Force Protection

4.2.6.1 Current Status

(b)(1)1.4a

(b)(1)1.4a

4.2.7. Road Network

4.2.7.1 Current Status

Camp Cedar II has approximately 3.5 miles of primary roads that are composed of asphalt, gravel and dirt. Most of the roads are in fair condition but are in need of repair. On average, 1200-1600 vehicles travel the asphalt roads each day. Dirt roads have been created by contractors and military units to allow access to remote areas on base.

4.2.7.2 Requirements

In accordance with the Camp Cedar II Force Protection Plan, the road network is currently being (b)(1)1.4a, (b)(1)1.4g areas. In conjunction with this plan, (b)(1)1.4a, (b)(1)1.4g

(b)(1)1.4a, (b)(1)1.4g

4.2.8 Medical Services

4.2.8.1 Current Status

Camp Cedar has a TMC.

4.2.9 Fire Protection

4.2.9.1 Current Status

Fire Protection at Camp Cedar is provided by the USAF 732nd ECES with eight personnel. The fire station is located near the Soldier's Court area.

4.2.10 Fuel Dispensing and Storage

4.2.10.1 Current Status

LOGCAP operates 30 Fuel Points Camp Cedar II for both military and civilian convoys. LOGCAP operates the ground use site, which is utilized by military convoys.

Bulk Fuels

(b)(1)1.4a, (b)(1)1.4g

(b)(1)1.4a, (b)(1)1.4g . The fuel site has containment

4.3 Land Use

4.3.1 Administration Areas

At this time, the camp has sufficient temporary office space for administrative use.

4.3.1 Billeting Areas

4.3.2.1 Current Status

The camp is currently transitioning from tents to Containerized Housing Units (CHU's) for permanent party personnel. The CHU's will be able to accommodate up to approximately 1100 personnel. The target date for CHU completion is 15 Aug 2005.

4.3.3 Aviation

4.3.3.1 Current Status

There is a MEDEVAC helipad site next to the TMC. The pad has appropriate lighting and control systems.

4.3.4 Vehicle Maintenance Areas

4.3.4.1 Current Status

The maintenance areas on Camp Cedar II are located throughout the camp.

(b)(1)1.4a, (b)(1)1.4g

(b)(1)1.4a, (b)(1)1.4g

4.3.4.2 Requirements

There is currently sufficient space for unit motor pools at Camp Cedar II. Consideration must be made in extending communications/computer lines to each unit motor pool to accommodate the requirement for connectivity to the numerous automated army maintenance systems.

4.3.5 Logistical Operations

(b)(1)1.4a, (b)(1)1.4g

4.3.5.1 Current Status

Camp Cedar II contains many large and small logistical operations throughout the base. Following are various logistical operations that Camp Cedar II either house or support:

- Freedom Lot
- TCN Staging Area
- LOGCAP Contractor Staging Area
- Container Transfer/Storage Yard
- ROM Site
- Bulk Fuel Distribution Site

4.3.5.2 Requirements

(b)(1)1.4a, (b)(1)1.4g, (b)(5)

Currently the "Freedom Lot" area and has the capability to conduct RON staging for military convoys. It is important to maintain the Freedom Lot with grading/gravel, latrines, trash dumpsters, etc.

4.3.6 Support Facilities

Support facilities include a DFAC, religious services, education services, postal services, AAFES services, laundry services and MWR services. AAFES services are further broken down into barber/beauty facilities, alteration/pressing services,

Post/Base Exchange, telephone services, and food/service concessions. The facilities for these services are temporary in nature.

Dining Facility

Camp Cedar II has one DFAC that is currently located in the center of the base. The DFAC is a temporary structure. The current DFAC is suitable for the current camp population.

Religious Service

The Camp Cedar II Chapel is housed in a tent type structure that is inadequate to support the base. Due to the extreme weather conditions, the tent has deteriorated and the chapel suffers water damage when it rains. The chapel also serves as a multipurpose training area that can accommodate up to 100 personnel for classes and briefings.

The 119th CSB has identified the current chapel as inadequate and requires replacement. The current tent structure is deteriorated from the extreme weather conditions. The LOGCAP contractor has tried several repairs, to include tarps and waterproofing, but these are a waste of time and money. The 119th requested, through the 122nd CSG, that clamshell or a sprung structure type of system be authorized to replace the tent structures but was denied. The 119th CSB subsequently ordered tents to replace current tents. Estimated shipment date is 1 Sep 05.

Education Service Center

There is no dedicated Education Service Center. A permanent education services center is not required.

Postal Facility

The Camp Cedar II postal facility is located in the 119th CSB TOC area and provides postal service to permanent party and civilian contractors. The postal trailer also houses office space for an Army Finance unit, which visits 2 days per month from Base Camp Adder/Ali Base (Tallil AB).

The postal unit requires one window mounted air conditioning unit. There are no other known requirements.

AAFES

The AAFES/PX is currently housed in a military tents type structure that is inadequate. Due to harsh weather environment, the canvas tent and tarp that cover the AAFES has deteriorated beyond the point of repair. Rain and/or

windstorms have caused tens of thousands of dollars in losses. There are no contracted fast-food services on Camp Cedar II. There is also a small concessionaire inside of the AAFES/PX.

The 119th CSB has identified the need to replace the current AAFES structure. The 119th CSB has identified the need to replace the AAFES tents and requested, through the 122nd CSG, that clamshell or a sprung structure type of system be authorized to replace the tent structures but was denied. The 119th CSB subsequently ordered tents to replace current tents. Estimated shipment date is 1 Sep 05.

In its role as a CSC, Camp Cedar II temporarily houses and serves between 500-1500 RON soldiers per day. Due to the various troop rotations and surges, Camp Cedar II requires one or two contracted fast-food services (Burger King, Subway, etc.). These contractors would provide additional service to the soldier and relieve overcrowding in the DFAC.

Camp Cedar II has also identified the need to bring in an Iraqi market type operation. This operation would consist of approximately three or four local merchants who would sell various products that are local in nature (jewelry, tea sets, rugs, etc.).

Laundry Services

Laundry services are operated by the LOGCAP contractor. The current level of service (3-day turn-around) is acceptable. In February 2005, the LOGCAP contractor added washers and dryer trailer in the RON site to better accommodate the transient's soldiers who need to wash and dry their clothes in less than 2 days. It is anticipated that the Laundry Facility (non self-service) will be relocated to Base Camp Adder/Ali Base (Tallil AB) in the July-September 2005 time-period.

The laundry service and facility is adequate

MWR

The previous Installation Commander and LOGCAP contractor developed several areas for MWR.

The MWR at Camp Cedar II is housed in three large tent structures which are considered inadequate due to deterioration and there is a need for additional space.

The 119th CSB has identified the requirement to replace the current tent structures that house the Base MWR. The 119th CSB has requested assistance from the 122nd CSG in obtaining three (3) 40ft X 145 ft clamshell/sprung structure

type of systems be authorized to replace the tent structures but was denied. The 119th CSB subsequently ordered tents to replace current tents. Estimated shipment date is 1 Sep 05. In order to serve the soldiers at Camp Cedar II, the following MWR related items/actions are identified:

1 ea Basketball Court

1 ea Entertainment or Outdoor Stage