

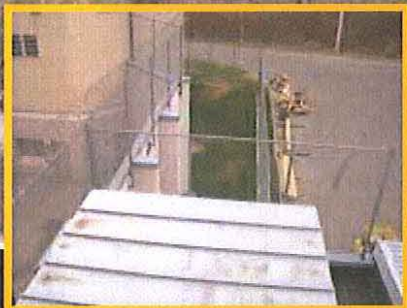
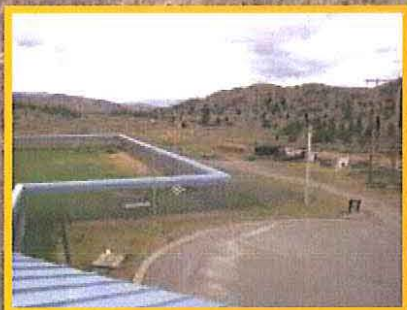


Shared  
ServicesBC

## Corrections Perimeter Security

### Kamloops Regional Correctional Centre (KRCC)

#### Report



**CONFIDENTIAL**

October 5<sup>th</sup>, 2011  
Version 0.1  
PBA111099

Submitted By:



**CONFIDENTIAL**

Document Revision History		
Revision	Description	Date
0.1	Draft – Client Review	October 5, 2011



## TABLE OF CONTENTS

<b>1</b>	<b>Executive Summary .....</b>	<b>1</b>
<b>2</b>	<b>Introduction .....</b>	<b>2</b>
2.1	Project Purpose .....	2
2.2	Facility Overview .....	2
<b>3</b>	<b>Site Inspection .....</b>	<b>4</b>
3.1	Details .....	4
3.2	Identified Issues - General Discussions .....	4
3.3	Identified Issues and Observations - Systems .....	5
3.4	Identified Issues and Observations - Facility Areas .....	7
<b>4</b>	<b>Recommendations .....</b>	<b>9</b>
4.1	.....	11
4.2	.....	11
4.3	.....	11
4.4	.....	12
4.5	s.13, s.15 .....	12
4.6	.....	13
4.7	.....	14
4.8	.....	14
4.9	.....	14
<b>5</b>	<b>Next Steps .....</b>	<b>15</b>

## LIST OF TABLES

Table 4-1: Recommendation Summary .....	10
---	----

## LIST OF FIGURES

Figure 2-1: KRCC Aerial Photo (2004) .....	3
Figure 4-1: Example CCTV Coverage Map .....	11
Figure 4-2: Visible Camera vs. Thermal Camera .....	12
Figure 4-3: Proposed North Perimeter Fence .....	13
Figure 4-4: Proposed South Perimeter Fence .....	13

## GLOSSARY OF TERMS

ACCW	Alouette Correctional Centre for Women
AoI	Area of Interest
DVMS	Digital Video Management System
ESCS	Electronic Security Communication System
FDS	Fence Detection System
FMCC	Ford Mountain Correctional Centre
FRCC	Fraser Regional Correctional Centre
ICCS	Inmate Call Control System
KRCC	Kamloops Regional Correctional Centre
NCC	Nanaimo Correctional Centre
NFPC	North Fraser Pre-trial Centre
OCF	Operational Control Post
PGRCC	Prince George Regional Correctional Centre
PTZ	Pan-tilt-zoom
SSP	Security Surveillance Post
TP	Threat Perimeter
VIRCC	Vancouver Island Regional Correctional Centre
VROM	Very Rough Order Magnitude

## 1 EXECUTIVE SUMMARY

The purpose of the "Corrections Perimeter Security – Phase 1" project is to perform a holistic review of risks associated with perimeter security operations for each facility throughout the province. The site inspection for KRCC was completed on Monday August 22<sup>nd</sup>, 2011.

Opened in 1988, KRCC is a secure facility housing remand and sentenced males from the Southern Interior. It also serves as a major transit point between the north (PGRCC) and the lower mainland facilities. The facility is situated in a rural area on the west extremity of Kamloops. It is bordered to the east and north sides by a popular city park (Kenna Cartwright), by undeveloped Crown pasture to the west and a frontage road that parallels Hwy 1 to the south.

The centre's primary issues revolve around contraband s.15  
s.15 Although inmate yards are thoroughly searched prior to use,  
s.15 This could be particularly damaging if the contraband were an item such as a weapon.

There are minimal deterrents surrounding the facility, leaving it very open to trespassing from the neighbouring park land. s.15

s.13, s.15

The recommended next steps to move forward with the findings of this report are as the following:

- Client confirmation of risk levels
- Client review of recommendations
- Prepare scope of work
- Client confirmation of projects to move forward to preliminary design
- Prepare preliminary designs and cost estimates for high priority projects
- Conduct pilot project of s.15
- Submit preliminary designs and cost estimates for review and approval
- Prepare detailed designs
- Implement projects



## 2 INTRODUCTION

### 2.1 Project Purpose

The purpose of the "Corrections Perimeter Security – Phase 1" project is to perform a holistic review of risks associated with perimeter security operations for each facility throughout the province. PBA Engineering, along with representatives from Corrections Headquarters, SSBC, WSI, and facility staff performed site visits for each facility and have identified risks and recommendations in independent documents prepared by PBA Engineering for each facility. These documents will provide foundational documentation for possible future perimeter security upgrades.

The recommendations, along with construction cost estimates, will be used to prepare multi-year planning for MOE funding for all the facilities in the province.

### 2.2 Facility Overview

KRCC is a Generation 2 facility of the same era, and reflecting many of the interior design characteristics, as FRCC. Opened in 1988, it is a secure facility housing remand and sentenced males from the Southern Interior. It also serves as a major transit point between the north (PGRCC) and the lower mainland facilities. Originally one of three facilities in the Interior district, it was consolidated into a single multi-level facility in 2001. The average current population count is 330, approximately 50 of which are classified Open and housed in a Sprung structure inside one of two secure ball fields. There is an active inmate work program on the facility grounds but Open inmates do not enter the secure building for anything but supervised medical appointments. For their part, Secure inmates do not use the external ball field for anything other than supervised cultural 'sweats' and thus contact between classification levels is limited.

KRCC is situated in a rural area on the west extremity of Kamloops. It is bordered to the east and north sides by a popular city park (Kenna Cartwright), by undeveloped Crown pasture to the west and a frontage road that parallels Hwy 1 to the south. While there is a residential population approximate 500 meters to the east, it does not overlook the facility and thus neighbourhood encroachment and associated issues are not a current concern.



Figure 2-1: KRCC Aerial Photo (2004)



### 3 SITE INSPECTION

#### 3.1 Details

The site inspection for KRCC was completed on Monday August 22<sup>nd</sup>, 2011. The following individuals were in attendance:

Ian Steele, PBA	Tara White, ADM's Office	Don Horning, KRCC	Dan Rettmer, WSI
Rob Grant, PBA	Shariyar Tabrizi, MAG's Office	Bill Bouthot, KRCC	Kirk Johnstone, WSI
Peter Tilt, PBA		Ed Doucet, KRCC	

The site meeting was performed by first having open discussions between all parties, then performing a detailed walk-through of both the interior and exterior of the facility. The initial discussions outlined the purpose of the project as well as provided an opportunity for the facility's wardens to identify issues unique to their facility.

The general discussion topics from the morning's meetings and the site walkthrough are outlined in the section below. The discussions focus on the reasons for concern and cover the overall issues identified.

The following sections identify issues directly related to the specific technology, systems and areas in the facility. Where applicable, issues with the specific item are related back to the overall issues identified in the discussion topics.

#### 3.2 Identified Issues - General Discussions

##### 3.2.1 General

KRCC is currently in a state of technology retro-fit s.15

s.15

s.15 As such, all current inmate movements within the facility are escorted by officers. s.15

s.15

The primary concern of KRCC staff is related to contraband, s.15  
s.15

##### 3.2.2 Inmate Escape

Site staff cited minimal concerns towards inmate escape; s.13, s.15  
s.13, s.15

##### 3.2.3 Contraband

While internal contraband transmission does still occur and always represents an ongoing risk, KRCC feels that the current operational model works fairly well. A strong emphasis is placed upon a dynamic supervision model and pre-use inspections of inmate areas are routinely completed. Roving checks and frequent frisks of inmate work and program areas have been effective in reducing the contraband problem. However, ingress is still believed to occur through inmates hiding contraband s.15



s.15

s.15  
were an item such as a weapon.

This situation would be particularly damaging if the contraband

s.13, s.15

### 3.2.4 Threat Perimeter

s.15

s.15, s.13

s.13, s.15

s.15

s.15

s.15

s.13, s.15

s.15

### 3.3 Identified Issues and Observations - Systems

The following section identifies issues directly related to the specific technology and systems. Where applicable, issues with the specific item are related back to the overall issues identified in the previous discussion topics.

s.15

s.15

s.15

s.15

s.15

s.15

### 3.3.4 Perimeter Fence

s.15

s.15

s.13, s.15

s.15

s.15



Page 11 redacted for the following reason:

-----

s.13, s.15

#### 3.4.9 Programs

KRCC is set up with multiple work programs for each custody level. Secure/medium inmates work in the kitchen where there is a good array of cameras and a combination of contractor and correctional staff supervision. Open inmates work outside the perimeter

s.15

s.15

#### 3.4.10 Kitchen/Delivery

KRCC receives daily food deliveries; however, this is currently not believed to be a source for issues.

No issues were identified with the Kitchen or Deliveries.



#### 4 RECOMMENDATIONS

This section outlines the recommendations for each issue identified in the sections above. The recommendation table on the next page provides a summary of each issue and recommendation, as well as the perceived risk level of the issue and a Very Rough Order Magnitude (VROM) cost for implementation of the recommendation.

The risk levels are categorized as follows:

Low – no operational impact, minimal concern

Moderate – minimal operational impact, minor concern

Medium – some operational impact, but no immediate concern

High – operational impact resulting in an immediate concern

Critical – significant operational impact resulting in a significant immediate concern

It should also be noted that the provided costing is based on extremely preliminary designs and should only be considered very rough order magnitude costing. Costing is based on rough site sketches for the facility and construction costs from previous similar projects. The costs are not based on actual design work and are provided for comparative purposes only at this time.

Following the summary table, a detailed description for each recommendation is provided.

Recommended technologies are outlined in detail where the technology deviates from the existing products outlined in SSBC's Technology Standards for Corrections. Where the technology is not described, such as cameras and fence detection, it is recommended to proceed with the Standard's outlined technology.

Pages 14 through 18 redacted for the following reasons:

-----

s.13, s.15

s.13, s.15, s.17



## 5 NEXT STEPS

The next steps following this report as seen as the following:

- Client confirmation of risk levels
- Client review of recommendations
- Prepare scope of work
- Client confirmation of projects to move forward to preliminary design
- Prepare preliminary designs and cost estimates for high priority projects
- Submit preliminary designs and cost estimates for review and approval
- Prepare detailed designs
- Implement projects