

Report to / Rapport au:

**OTTAWA POLICE SERVICES BOARD
LA COMMISSION DE SERVICES POLICIERS D'OTTAWA**

26 June 2017 / 26 juin 2017

Submitted by / Soumis par:

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**SUBJECT: PROFESSIONAL DEVELOPMENT CENTRE FIRING RANGE
UPGRADES: CONSTRUCTION CONTRACT APPROVAL**

**OBJET: MODERNISATION DU CHAMP DE TIR DU CENTRE DE
PERFECTIONNEMENT PROFESSIONNEL : APPROBATION D'UN
CONTRAT DE CONSTRUCTION**

REPORT RECOMMENDATIONS

That the Ottawa Police Services Board approve the award of a construction contract for the amount of \$ 813,174.00 (including construction contingency) to Dolyn Developments Inc. for the renovation of the existing PDC Firing Range located at Algonquin College.

RECOMMANDATIONS DU RAPPORT

Que la Commission de services policiers d'Ottawa approuve l'attribution d'un contrat de construction d'un montant de 813,174.00 \$ (y compris des imprévus de construction) à Dolyn Developments Inc. pour les travaux de rénovation du champ de tir existant du Centre de perfectionnement professionnel, situé au Collège Algonquin.

BACKGROUND

In 1999, the Police Services Board entered into an Alliance and Operating Agreement with Algonquin College co-locating the Ottawa Police Service (OPS) Professional Development Centre (PDC) within The Police and Public Safety Institute.

The \$4.8 M capital contribution access fee paid to Algonquin gives the OPS exclusive use of police dedicated areas and shared use of common space for a period of 25 years, renewable for five, additional 5 year options for a total of 50 years.

PDC is OPS's main learning facility focused on delivering professional and tactical training to all OPS members. It includes a firing range used exclusively by sworn members.

The original range design focused on static shooting from set distances aimed downrange at targets placed in front of a bullet trap system. With the firing range approaching 18 years of age, it requires life cycle maintenance and design upgrades to ensure officer safety and to meet mandated use of force training. This report outlines the plan and funding needed to carry out these changes.

DISCUSSION

The Facilities Section working in collaboration with PDC staff and subject matter experts in the design of police firing ranges evaluated the existing range to determine the scope of work to support lifecycle and long term training requirements.

Life Cycle

New technology in lighting and mechanical systems is required to operate the facility in a more sustainable and safe manner. The existing air handler unit is to receive a heat recovery system and all the lighting is to be changed to LED lamps which will contribute to operating efficiencies.

Change of Use

Over time, more dynamic training scenarios have been developed simulating officers advancing on, or de-escalating from targets. Such dynamic training is essential to ensure the safety of the public and police officers. It also requires ballistic ceiling panels to be overlapped for the entire length of the range.

This requirement was reinforced when, in August 2012, the Chief Firearms Office (CFO) conducted a regular bi-annual review of the PDC Shooting Range. In their report, the CFO noted that certain training scenarios conducted in the range, permitted firearms to possibly discharge and strike sections of the ceiling of the range not currently protected by ballistic panels. As a result, PDC staff immediately implemented interim measures

modifying training limiting scenarios to ensure officer safety until upgrades were put in place.

To fully put into practice the dynamic training approach, there is a requirement to fill in the ceiling baffle gaps to prevent the ricochet or fragmentation of bullets. These ballistic steel panels also protect the firing range ceiling structure, lights, plumbing, sprinklers, etc, from damage.

The removal of the existing firing range control room, which was no longer in use, was added to the scope of this project to create a computer simulation training room optimizing the usage of existing space. Computer simulation technology has allowed officers to train in a wide range of virtual scenarios.

Procurement Process

Drawings, specifications and tender documents have been prepared with the assistance of the City Supply Management Branch.

In March 2016, Supply Management pre-qualified 14 general contractors to work on OPS construction projects valued between \$15 K and \$2M for a period of three (3) years, plus two additional one year terms, (See Document 1).

On May 17, 2017, all 14 contractors were invited to respond to the PDC Firing Range Upgrades Request for Proposal. Seven (7) general contractors submitted bids. The tender closed on June 12, 2017, and Dolyn Developments Inc. was the successful proponent in the procurement process.

CONSULTATION

Consultation has included PDC training staff, other police services, subject matter experts in the design of firing ranges, the Chief Firearms Office and Algonquin College facility staff.

FINANCIAL IMPLICATIONS

Funding for the project will be sourced from prior years Facilities capital budgets as identified below.

	906560	907078	907080
Project Budget:	\$ 840,000	\$ 695,000	\$ 5,278,900
Expenditures to Date:	\$ 560,207	\$ 329,060	\$ 4,991,863
Available Budget:	\$ 279,793	\$ 365,940	\$ 287,037

Construction Contract (*)	\$279,793	\$320,940	\$ 138, 516
Contingency (*)	\$ 0	\$ 0	\$ 73, 925
<u>This Request:</u>	\$ 279,793	\$ 320,940	\$ 212,441
<u>Remaining Budget:</u>	\$ 0	\$ 45,000	\$ 74,596

*Construction contract and contingency amounts exclude HST

SUPPORTING DOCUMENTATION

Document 1 - Listing of Prequalified General Contractors for OPS (RFQ 22415-90922-Q02)

CONCLUSION

Police training is evolving with more dynamic use-of-force training scenarios that ensure police officers gain more real-life simulations. Upgrades to the firing range's HVAC system, ballistic ceiling panels and computer simulation room, are required to allow the OPS to perform the more dynamic training scenarios, and increase operational performance taking into account long-term requirements while ensuring officer safety.

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