Station Arts Centre - Fire & Life Safety Condition Assessment Project:

Prepared By: a+LiNK Architecture Inc., London, On

Tillsonburg, Ontario 5,600 sq.ft. [520m²] Location: Gross Floor Area: 5,600 sq.ft.
Client: Town of Tillsonburg

Description Station Arts Centre - Building Condition Assessment

Reference

Elemental Cost Analysis

20-Nov-2018 Updated 05-Feb. 2019 Preliminary Budget

Option 3 Reduce Area Estimate

1831

	Life Saf	e 3/4 hour fire separation to floor assembly above basement. 3.2.1.4	1	Is required			FRR is not required if			Is required		
				·			sprinklered under Table 11.4.3.4A			·		
	.a .b	Remove existing ceiling finishes and provide new GWB membrane.  Upgrade walls separating the basement to 3/4 hr. FRR.			\$	17,600 10,500		\$ \$	-		\$ \$	17 10
	.c	Provide new labeled doors, closers, and hardware to 3/4 hr. FRR in fire sep.			\$	6,000		\$	-		\$	6
	.d	Provide fire dampers and fire stopping at penetrations in fire sep.			\$	5,000		\$	-		\$	5
	.e	Provide new sprinkler system whole building.						\$	65,000			
2.		e 3/4 hour fire separation for supports. 3.2.1.4	1	Is required			Is not required			Is required		
	.a	Coordinate with item 1 above.			\$	4,000		\$	-		\$	4
3.	Provide	e direct exits from basement.	1	Is required			Is required			Is required		
	.a	See item 4 below.										
4.	Provide	e 2 exits or reduce floor area.	1	Two exits are required			One exit is required			Two exits are required	i	
	.a	Two exits, min. travel distance is [30m] if unsprinklered. 3.4.2.5 (1) f.		Upgrade lobby GWR	\$	30,000						
	.b	Two exits, min. travel distance is [45m] if sprinklered. 3.4.2.5. (1) c.						\$	-			
	.c	Reduce basement floor area to less then 150 m².		Is required for one exit			Area increased to 200 m <sup>2</sup> with Sprinklers					
		Work associated with physical reduction of basement to create cellar space Selective demolition of area above 150 m <sup>2</sup> included floor for concrete wall.									\$	5
		Construction of foundation wall and partition wall to underside of structure									\$	5
		Infill area with compacted granular fill, vap. Barrier, mud slab to create cellar									\$	6
		Install fire rated access panel									\$	1
	.d	Mech. dampers, Elect. lighting adjustment, Detectors  One exit, min. travel distance is reduced to [25m]. 3.4.2.1 (2) b if sprinklered.						Ś	_		\$	5
	.e	One exit, min. travel distance is reduced to [15m]. 3.4.2.1 (2).						Ţ				
	.f	Construct exterior stair from basement to grade on west end of gallery addition.			\$	25,000		\$	25,000		\$	25
5.	Provide	e interconnected smoke alarms	1	Is recommended			Is recommended			Is recommended		
		1: Upgrade existing smoke alarms, exit signs, and emergency lighting										
	.a .b	Upgrade smoke alarms to interconnected on all levels			\$	9,500 5,000		\$	9,500 5,000		\$ \$	9
		Upgrade Exit Signage and Emergency Lighting 2: Provide new fire alarm system			Ş	3,000		Ş	3,000		Ş	-
	.c	Fire alarm would be required if occupancy over 150 for licensed events. 3.2.4.1 g.		\$ 22,000								
		Fire alarm may be connected to the existing security monitoring co.										
		Sprinkler signal to Fire Alarm - ULC Monitored?										
6.		d east access to exit stair to provide uniform risers.  Partial demolish, form and re-pour stairs over existing.	1	Is required	ć	5,000	Is required	ć	F 000	Is required	\$	_
	.a	Partial demolish, form and re-pour stairs over existing.			\$	5,000		\$	5,000		\$	5
7.	Provide	e new handrails on basement access to exit stairs with extensions.  Remove existing and install new railings - one side if under 1100mm.	1	Is required	\$	3,000	Is required	\$	3,000	Is required	Ś	3
	.d	remove existing and install new famings - one side it dilder 1100mm.			Ş	3,000		Ş	3,000		ş	3
8.		oom clearance on west stair.	1	Is required		650	Is required		650	Is required		
	.a .b	Remove existing shelf and patch ceiling GWB.  If min. headroom clearance cannot be obtained, rebuild stairs and landing to suit.			\$ \$	650 5,000		\$ \$	650 5,000		\$ \$	5
					Ÿ	3,000		Ţ	3,000		Ţ	
9.	Clear p	athways at ground floor exit doors. 4 exits required.  Tenant to remove stored materials and maintain clear paths to exits.	1	Is required			Is required			Is required		
	.b	Decommission west exit - not required.		Is recommended	-		Is recommended	-		Is recommended	-	
10.	Modify	& update facility Fire Plan Map	1	Is required			Is required			Is required		
	.a	Update fire plan map posted on walls to reflect current & future site conditions.			-			-			-	
11.	Remov	e stored materials under west basement stair.	1	Is required			Is required			Is required		
	.a	Tenant to remove stored materials.			-			-			-	
total					\$	126,250	\$ -	\$	118,150	\$	- \$	118
	OH&P (	(20%)				25,250	\$ -	\$	23,630	\$	- \$	23
Total					\$	151,500	\$ -	\$	141,780	\$	- \$	142
	cy (20%)					30,300		\$	28,356		- \$	28
AL PR	DJECT ES	STIMATE			\$	181,800	\$ -	\$	170,136	\$	- \$	170

Option 1 Sprinklers

Maintenance Priority (1,2,3)

Option 2
With Sprinklers

Estimate

Notes:

Maintenance Priority (1,2,3) is defined as 1 = within 1 year, 2 = within 2 to 3 years, 3 = 3 to 5 years. High priority items identified in the report of a structural or fire and life safety nature will require immediate attention. All costs indicated are based on 2018 values.

2. 3.

<sup>\*\*</sup> HST Tax of 13% is additional to the cost estimate