

21 November 2016

Ottawa Public Library

OPL Only and OPL/LAC, Exemplar Site (Site 8) City of Ottawa

Soft Cost Assumptions Ottawa Public Library

making the difference

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Contents

1	Project Budgets	3
2	Project Soft Costs - Clarifications & Assumptions	4
3	Project Back-up	8

Rev	Originator	Approved	Date
2	Nicholas Bowe	Douglas McNeill	11/21/2016

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1 Project Budgets

Project Budget Estimate

6.00 PROJECT BUDGET

6.00 Total Project Budget

Date: November 2016 Project No: CR009800 Project Name: Central Library





130%

Project Description: - OPL Only + Exemplar Site 1.00 CONSTRUCTION BUDGET Construction Items Qty \$55,866,000.00 134,550sqft Building 134,550 1.01 Construction Budget sqft \$2,271,000.00 67,904sqft Underground Parking 1.02 Site Work 1.03 Demolition / Alterations \$0.00 12% \$6,976,440.00 General Requirements & Fees 1.04 20% \$13,022,688.00 1.05 Estimating allowance 1.06 Escalation 10% \$6,511,344.00 1.07 Construction allowance 10% \$6,511,344.00 1.08 Leed Gold Allowance 5% \$4,557,940,80 503501 \$95,717,000,00 1.09 1.00 Construction Budget Total New Construction 2.00 PRIME CONSULTANT Based Design Bid Build project delivery (4 month for RFP, 12 months to develop drawings). Expected to be mid Summer 2018 in the ground. 24 months 2.01 Prime Consultant Fees 9.00% of line 1.09 \$8,615,000.00 construction time line. Included in 3.01 Disbursements Inc in 3.01 2.00 Consulting Budget Total 502392 \$8,615,000.00 3.00 DEVELOPMENT BUDGET Misc. consultants - Environmental/ Acoustical etc. Allowance based on historic numbers Includes Special & Client Assigned Consultants (4.00% 502331 \$3,830,000.00 disbursements Testing and Inspection Inc 3.01 502671 Included in 3.01 NOT REQUIRED. Exempt from both municipal and school board as per bylaw 2014-209. City of Ottawa 3.03 502912 N/A (613) 580-2400. Contact Jim Denyer Development Fees \$1.42/sqft over GFA. Reference City of Ottawa (613) 580-2400. Contact Luke Nadue: http://documents.ottawa.ca/sites/documents.ottawa.c a/files/documents/gross_floor_fee_sked_en.pdf 3.04 \$1.42 \$191,000.00 Building Permit Fee sqft 502665 MANDATORY: Use 1% of hard costs (inc dury fees, 1.0% 3.06 Art in Public Spaces of line 1.09 506180 \$957,000.00 project admin) For IT closets on every floor and Server Equipment Only. Cabling included in Hard Construction
As per OPL Furniture Schedule. Includes Makersapce IT / Telecom infrastructure equipment 3.07 502131 \$269,000.00 ventilation and AV incl; Specialty Equipment; video, lighting, sound mixing board for recording rooms; \$7,263,665.00 installation of RFID 3.08 506173 Furniture, Equipment and Technology workstations and soft seating \$300,000.00 Decanting costs. Move existing books, staff etc. 3.09 Packing and Moving 502901 Allowance for associated costs with the transformer \$250,000.00 from Hydro company before even tenders go out. Utilities - Hydro 503502 Project Manager 3.11 \$1,225,000.00 Based on \$25,000/ month over 49 months To account for contract award. Vetted through legal. Standalone - OPL Only
Used as a contingency for all above development cost 502320 \$200,000.00 3.12 Legal Fees (if applicable) 503550 \$1,872,000.00 unknowns. Soft Costs Contingency 1.50% 3.00 Development Budget Total \$16,357,665.00 4.00 PROJECT DELIVERY BUDGET - Use for External Project Managers \$1,960,000.00 \$40K/ month of cost incurred multiplied by 49 months Project Delivery Costs 4.00 Project Delivery Cost Total \$1,960,000.00 5.00 Total \$2,159,000.00 5.01 1.76%

> Budget \$124,809,000.00

Project Budget Estimate

Date: November 2016
Project No: CR009800
Project Name: Central Library
Project Address: 7 Wellington St, Ottawa



Project Description: | - OPL & LAC + Exemplar Site

1.00 (Project Description: 1 - CONSTRUCTION BUDGET	OPL & LAC +	схепіріє	ar Site		Amount	Comments
1.01	Construction Items	Qty 215,458.0	saft			#91 E92 000 00	215,458sqft Building
1.01	ŭ	215,456.0	Sqrt				71,532sqft Underground Parking
1.02						\$2,377,000.00	71/5525416 511441.5154114 1 4114115
1.04				12%		\$10,099,200.00	
1.05 1.06				20% 10%		\$18,851,840.00 \$9,425,920.00	
1.07	Construction allowance			10%		\$9,425,920.00	
1.08 1.09				5% New Construction	503501	\$6,598,144.00 \$138,561,000.00	
				New Construction	303301	\$150/501/000100	
2.00 F	PRIME CONSULTANT						Paged Design Bid Build project delivery (4 month for
							Based Design Bid Build project delivery (4 month for RFP, 12 months to develop drawings). Expected to be mid Summer 2018 in the ground. 30 months
2.01	Prime Consultant Fees (9.00%)	of line 1.09		\$12,470,000.00	construction time line.
2.02	Disbursements	Inc in 3.01					
	2.00 Consulting Budget Total				502392	\$12,470,000.00	
3.00	DEVELOPMENT BUDGET						
	-						Misc consultants - Environmental/ Acoustical etc.
2.04		4.000/	,	•	F00004	+5 542 000 00	Allowance based on historic numbers Includes
3.01	Special & Client Assigned Consultants (4.00%)	0	502331	\$5,542,000.00	disbursements
3.02	Testing and Inspection	Inc 3.01			502671		Included in 3.01
							LAC Only. OPL NOT REQUIRED. Exempt from both municipal and school board as per bylaw 2014-209.
3.03	Development Fees				502912	\$1,906,416.46	City of Ottawa (613) 580-2400. Contact Jim Denyer
	·						
							\$1.42/sqft over GFA. Reference City of Ottawa (613)
							580-2400. Contact Luke Nadue:
3.04	Building Permit Fee	\$1.42	sqft		502665	\$306,000.00	http://documents.ottawa.ca/sites/documents.ottawa.c a/files/documents/gross_floor_fee_sked_en.pdf
5.0.		42.12	oqic		502005	4500,000.00	MANDATORY: Use 1% of hard costs (inc dury fees,
3.06	Art in Public Spaces (OPL only) (1.0%)	of line 1.09	506180	\$856,000.00	project admin)
2.07	TT / T. d				502424	±421 000 00	For IT closets on every floor and Server Equipment
3.07	IT / Telecom infrastructure and equipmen	IL .			502131	\$431,000.00	Only. Cabling included in Hard Construction As per OPL/ LAC Furniture Schedule. Includes
							Makersapce ventilation and AV incl; Specialty
2.00					505470	+40,005,002,00	Equipment; video, lighting, sound mixing board for
3.08	Furniture, Equipment and Technology				506173	\$10,085,003.08	recording rooms; installation of RFID
3.09	Packing and Moving				502901	\$500,000.00	Decanting costs. Move existing books, staff etc.
3.10	I Hilitias - Hudro				503502	#3E0 000 00	Allowance for associated costs with the transformer from Hydro company before even tenders go out.
	Utilities - Hydro						
3.11	Project Manager				502672	\$1,3/5,000.00	Based on \$25,000/ month over 55 months To account for contract award. Vetted through legal.
2.42	Local Force (Force)				F02222	+200 000 00	OPL/LAC required more because of partnership
3.12	Legal Fees (if applicable)	1 500/	``		502320		arrangement.
3.13 3.14	Soft Costs Contingency (3.00 Development Budget Total	1.50%)		503550	\$2,710,000.00 \$24,261,419.54	Soft cost Contingency for unknowns.
	PROJECT DELIVERY BUDGET - Use for Exte	rnal Droject Me	anagoro				
4.00 F	NOTE DELIVERY BUDGET - USE FOR EXTE	mai Froject Ma	ariagers				
4.01	Project Delivery Costs (5.0%)			\$2,200,000.00	\$40K/ month of cost incurred multiplied by 55 Months
4.02	4.00 Project Delivery Cost Total					\$2,200,000.00	
5.00 7							
5.01	5.00 Operating Budget Total	1.76%	_			\$3,124,000.00	
	PROJECT BUDGET					Budget	
6.01	6.00 Total Project Budget					\$180,616,000.00	130%

2 Project Soft Costs – Clarifications & Assumptions

Schedule & Project Delivery Method:

OPL Only on Exemplar Site

OPL & LAC on Exemplar Site

49 Months

55 Months

Based on Design/Bid/Build project delivery. The assumption is that there will be 4 months required for RFP process to procure the Architect/Contractor and 12 months to develop drawings). Construction is expected to start around mid-summer 2019. Having conversations with our Project Managers a 24 months construction time line sounds reasonable for 4 storey building of approx. 130,000sqft.

The building will carry approximately 90,000sqft more sqft. This combined with the additional complexities of integrating the LAC requirements into the design/ construction process we expect that an additional 6 months will be required on the schedule.

Section 2.01 & 2.02: Prime Consultant Fees & Disbursements

OPL Only on Exemplar Site

OPL & LAC on Exemplar Site

Calculated by	applying 9%	over the total
Hard Constru	ction Costs	

Calculated by applying 9% over the total Hard Construction Costs

An allowance for the Prime Architect and the main design consultants which typically sit under the umbrella of the Prime Architects proposed fee. The main design consultants in addition to the Architect include Structural, Mechanical, Electrical, Plumbing and Civil Engineers and the Landscape Architect.

A 9% allowance is typical for a project of this type. Our analysis of similar projects showed a range of 8-10%. 9% was chosen because the building is expected to have a prestigious design and also accounts for the complexities of a partnership arrangement such as the OPL/LAC

Disbursements account for additional expenses such as travel and meals which are typically excluded from the prime consultants contracts. These costs fall within the 9% allowance

Section 3.01: Special & Client Assigned Consultants

OPL Only on Exemplar Site

OPL & LAC on Exemplar Site

Calculated by appl	ying 4%	over	the	total
Hard Construction	Costs			

Calculated by applying 4% over the total Hard Construction Costs

Special & Client Assigned Consultants is an allowance for the remaining consultant's related to the planning and design of the project which fall outside of the Prime Architects contract.

The main design consultants can range from project to project but our analysis of similar projects typically included Geotechnical, Environmental, Surveyor, Traffic Study, Cost Consultant, Conceptual Architectural Design, Site Servicing, Building Envelope, Elevator Consultant, Code Consultant, Commissioning, LEED, IT / AV/Intercom / Theatre Fees and Signage Consultants. This list is not meant to be fully inclusive but it does demonstrate what consultants could be seen within the allowance

A 4% allowance is typical for a project of this type. Our analysis of similar projects showed a range of 3-7%. 4% over Hard Construction costs should be a comfortable allowance to account for the expected consultants mentioned above and to deal with the complexities of a partnership arrangement such as the OPL/LAZ

The 4% allowance also includes Testing and Inspecting costs (Section 3.02).

Section 3.03 & 3.04: Fees and Permits

OPL Only on Exemplar Site

OPL & LAC on Exemplar Site

To clarify Development Charges T&T called the City of Ottawa and spoke to Jim Denyer (613) 580-2400. Basic information such as the building GFA and the proposed location (557 Wellington St) were given to the City and from this we were told that these projects would be exempt from both municipal and school board permits as per bylaw 2014-209.

No Development fees applicable for the OPL stand-alone option

Development costs for the LAC are calculated at 93,406sqft x \$20.41/ sqft

Permits are calculated by applying \$1.42 over the GFA. (134,550sqft + 67,904sqft parking)

Permits are calculated by applying \$1.42 over the GFA. (215,458sqft + 71,532sqft parking)

For Permit Fees Luke Nadue (613) 580-2401 explained that without full drawings to review in detail the rates on the website should be used.

http://documents.ottawa.ca/sites/documents.ottawa.ca/files/documents/gross_floor_fee_sked_en.p

Section 3.06: Art in Public Places

OPL Only on Exemplar Site

OPL & LAC on Exemplar Site

Allowances are based on 1% of Hard Construction costs. This percentage was given by the City of Ottawa/ and is a mandatory on all projects over a certain construction value.

Allowances are based on $$11,401,900 \times 1\%$ for the OPL Parking Garage and $$74,172,000 \times 1\%$ for the OPL Building

Section 3.07: IT / Telecom Infrastructure and Equipment

OPL Only on Exemplar Site

OPL & LAC on Exemplar Site

Wi-Fi required, Allows for 2 IT closets and server equipment. Based on \$2.00/sqft.

Section 3.08: Furniture, Equipment and Technology

OPL Only on Exemplar Site

OPL & LAC on Exemplar Site

As per Furniture, Equipment and Technology list provided by City of Ottawa (adjusted using vendor input)

As per Furniture, Equipment and Technology list provided by City of Ottawa (adjusted using vendor input).

The FET list was sent to a few of our vendors and based on high level information about the project they were able to use their experience to give a broad range of pricing as it relates to a Library. The vendors were told to review pricing with a mind-set of medium to high quality products.

T&T have reviewed the LAC rates with in-house pricing and can confirm that the pricing is in line with what we would expect to see for FET related to a project of this nature.

The T&T adjustments on the pricing of the OPL FET schedule increased the costs by 5%. This percentage increase was applied to the OPL & LAC FET schedule as a quick methodology to update the pricing of the OPL & LAC FET.

The cost for Specialty Equipment; video, lighting, sound mixing board for recording rooms were given by the City of Ottawa.

Section 3.09: Packing and Moving

OPL Only on Exemplar Site

Accounts for OPL & LAC staff (number unknown). Only books will be taken from the old facility. Everything else will be left.

A cash allowance based on moving approx. 80 OPL staff from one building to the next. Only books will be taken from the old facility. Everything else will be left.

Section 3.10: Hydro

OPL Only on Exemplar Site

OPL & LAC on Exemplar Site

OPL & LAC on Exemplar Site

A cash allowance for associated costs with the transformer from Hydro company before even tenders go out. To be defined further as information is known.

Section 3.11: Project Manager

OPL Only on Exemplar Site OPL & LAC on Exemplar Site Based on \$25,000/ month over 49 months Based on \$25,000/ month over 55 months

Based on Design Bid Build project delivery (4 months for RFP process and 12 months to develop drawings). It's expected to be mid-summer 2019 before construction starts.

Section 3.12: Legal Fees

OPL Only on Exemplar Site OPL & LAC on Exemplar Site

A cash allowance to account for any/ all legal costs associated with the RFP/ Contract award process. This allowance falls in line with our analysis of similar projects.

Legal fees related to the development/ review/ advice on contract related issues. The combined OPL & LAC design option carries more of an allowance as it assumed there will be more legal issues due to the partnership arrangement.

Section 3.13: Soft Cost Contingency

OPL Only on Exemplar Site OPL & LAC on Exemplar Site

Calculated at 1.5% (rounded) over the Total Project Cost. This percentage is in line with what we typically allow for a project of this type at this stage of the project.

Also known as 'Soft Cost' contingency and is used for project unknowns which fall outside of the Hard Construction elements.

Section 4.01: Project Delivery Costs

OPL Only on Exemplar Site	OPL & LAC on Exemplar Site
Calculations are based on \$40K/ month of cost incurred to date from OPL GL multiplied by 49 Months	Calculations are based on \$40K/ month of cost incurred to date from OPL GL multiplied by 55 Months

For Internal Project Management costs over the expected project time line.

3 Project Back-up

												_								
OPL Standalone Project Revised: November 8, 2016 version 4	ant in Year				ices	5			ation	ses	landling									
	placeme	paces nt 2	are nt 3 um	nt 4 press nt 5	ry Serv	ent 7 Centre	nt 8	onent 9	awa nt 11 oordina	Servic	ent 13	acility								
	scycle Re	terior S	wn Squ omponel	omponer	ommunit ompone	omponel eative C	omponel	Jult Jult Smpone	ompone	ompone	dg Serv	Total				Holmes and			T&T Unit Price	
Meeting Peans	5	ပော်မြောင်း	<u>ا</u> ا ۲	ŏ≝ ŏ	ŏ ŏ t	5 ŏŏ	ŏ≞ ĕ	ŭ ĕ ŭ	≦ ŏŏ ò	33 3	ပြိတ် ပြိ	Quantity	Unit Rate	Total Cost	Unit Rate	Brakel	Environments	Interiors Inc	Check	T&T Total
Meeting Rooms Projectors	10	0	0 5	0	0 :	2 2	1	3	1 1	2	0	0 1	7 \$5,00	00 \$85,000	\$5,000			\$5,000	\$5,000	85000
Sound System	20	0	0 3	0	0	1 0	1	0	0 0	1	0	0 (6 \$20,00	00 \$120,000	\$20,000			\$20,000	\$20,000	120000
Technology for Hearing Impaired Theatre Lighting System	30	0	0 5	0	0	1 1	1	3	1 2	1	0	0 1	5 \$4,00 3 \$30.00		\$4,000 \$30,000			\$30,000 \$10,000	\$30,000 \$10,000	450000 30000
Video Conferencing	10	0	0 2	0	1 1	0 0	0	0	0 1	2	0	0 (6 \$10,00		\$30,000 \$10,000			\$10,000	\$10,000	30000
Moveable - Pulls out and goes bac	k.	0	0 200	0	0		0	0		0	0	0.00			, ,,,,,				0.400	00000
Amphitheatre Raked Seating (Bldg hard costs) Tiered seating Grid system - support for the light	30	0	0 200	0	0	0	0	0	0 0	0	0	0 200	0 \$40	\$80,000					\$400	80000
Amphitheatre Lighting and Sound Grid (In Ceiling) and sound equipment. 600sqft	20	0	0 70	0	0	0	0	0	0 0	0	0	0 70			¢4.25				\$50	30000
Black Box Theatre Seating (stackable) Board Room Tables	30 25	0	0 70	0	0 0	0 0	0	0	0 0	1	0	0 70	0 \$12 1 \$10,00		\$125 \$10,000	\$1,200	\$4,000	\$999	\$7,000	7000
Board Room Chairs	20	0	0 0	0	0 (0 0	0	0	0 0	12	0	0 12			\$800	\$500	\$400	\$350	\$500	6000
Tables (30x60) 6 Persons (Foldable and wheels) Chairs (Stackable)	15	0	0 67	0	2 4	5 36	30		5 11 5 60	30	0	0 152 0 792			\$600 \$125	\$200		\$600 \$199	\$600 \$200	91200 158400
Credenza (Board/Meeting Rooms for 12+)	20	0	0 3	0	0	1 0	0	3	2 1	2	0	0 12	2 \$1,50	00 \$18,000	\$1,500	4200		Ψ.00	\$1,500	18000
Stackable Chair Dollies 2 to 3 Person Table	20 15	0	0 20	0	0 :	3 2	2	6	4 3	2	0	0 42			\$150 \$600				\$200 \$500	8400 9000
Wheeled Meeting Room Chair (<20 Ppl Rm)	10	0	0 0	0	36	6 0	24	66 2	26 9	9	0	0 176			\$175				\$200	35200
Cloak Room (250 people) Included in Hard Construction Visitor locker (cloak room)	30	0	0 0	0	0	0 0	0	0	0 0	0	0	0 (0	0 \$3	\$0 30 \$3,000	\$30				\$0 \$30	0 \$3,000
Project/Training Lab Tables	15	0	0 0	0	0	0 0	0	0	0 0	0	0	0 100	0 \$60	00 \$0	\$30 \$600			\$600	\$600	\$3,000 \$0 \$0
Project/Training Lab Chairs	15	0	0 0	0	0 (0 0	0	0	0 0	0	0	0 (0 \$17	75 \$0	\$175	\$250	\$275	\$225	\$275	\$0
Public Forum and Meeting Complex Prep Kitchen:																				
Millwork (stainless steel counter tops insure a number of sinks, plugs and gas outlets for equipment) 646saft, 323saft												2!	5 \$2.00	\$50,000					\$2,000	\$50,000
Bussing Carts	15	0	0 4	0	0	0 0	0	0	0 0	0	0	0 4	4 \$40	********	\$400				\$2,000 \$500	\$2,000
Chafing dishes	15	0	0 4	0	0 (0 0	0	0	0 0	0	0	0 4	4 \$70		\$700				\$700	\$2,800
Stainless steel centre counter and handsink - freestanding	30	- V	0 1	0	0	0 0	0	0	0 0	0	0	0	1 \$4,50		\$4,500				\$4,500	\$4,500
Steamer Warmers	20	0	0 3	0	0 0	0 0	0	0	0 0	0	0	0 ;	3 \$8,00 3 \$2,50	7-11-1	\$8,000 \$2,500				\$8,000 \$2,500	\$24,000 \$7,500
Holding cabinets	25	0	0 3	0	0	0 0	0	0	0 0	0	0	0 :	3 \$2,50		\$2,500				\$2,000	\$6,000
Commercial Reach-in Fridges	20	0	0 1	0	0	0 0	0	0	0 0	0	0	0	1 \$9,50		\$9,500			\$9,500	\$9,500	\$9,500
Commercial Reach-in Freezer Wire Shelving	30	0	0 1	0	0 0	0 0	0	0	0 0	0	0	0 .	1 \$12,00 4 \$35		\$12,000 \$350			\$12,000	\$12,000 \$350	\$12,000 \$1,400
Sundries, equipment, pots, utensiles, etc.	30	0	0 1	0	0	0 0	0	0	0 0	0	0	0 .	1 \$20,00		\$20,000				\$20,000	\$20,000
Grease Interceptor	30	0	0 1	0	0	0 0	0	0	0 0	0	0	0	1 \$5,50	00 \$5,500	\$5,500				\$5,000	\$5,000
Demonstration Kitchen: Commercial Reach-in Fridges	20	0	0 1	0	0	0 0	0	0	0 0	0	0	0	1 \$9,50	9,500	\$9,500				\$0 \$9,500	\$0 \$9.500
Commercial Reach-in Freezer	20	0	0 1	0	0 (0 0	0	0	0 0	0	0	0	1 \$12,00	00 \$12,000	\$12,000				\$12,000	\$12,000
Stove/Oven (6 burner griddle top)	10	0	0 2	0	0 (0 0	0	0	0 0	0	0	0 2	2 \$6,50		\$6,500 \$500			\$6,500 \$500	\$6,500 \$500	\$13,000 \$3.000
Microwaves Commercial Dishwasher	20	0	0 1	0	0 0	0 0	0	0	0 0	0	0	0	6 \$50 1 \$9.00		\$9,000			\$9,000	\$9,000	\$3,000 \$9,000
Exhaust hood w/ fire suppression	30	0	0 2	0	0 (0 0	0	0	0 0	0	0	0 2	2 \$12,00		\$12,000			\$12,000	\$12,000	\$24,000
Stainless steel Dishtable w pre-rinse sink - freestanding Grease Interceptor	10	0	0 1	0	0 (0 0	0	0	0 0	0	0	0 .	1 \$2,500.0 1 \$5,500.0		\$2,500.00 \$5,500.00				\$2,500 \$5,500	\$2,500 \$5,500
Fire Suppression System	15	0	0 1	0	0 0	0 0	0	0	0 0	0	0	0	1 \$3,500.0		\$3,500				\$3,500 \$3,500	\$3,500 \$3,500
Sundries, equipment, pots, utensiles, etc.	10	0	0 1	0	0	0 0	0	0	0 0	0	0	0 '	1 \$20,00	\$20,000	\$20,000				\$20,000	\$20,000
Milwork (stainless steel counter tops insure a number of sinks, plugs and gas outlets for equipment) 646sqft. 323sqft												2	5 \$2,00	\$50,000					\$2,000	\$50,000
Security				, , , , , , , , , , , , , , , , , , , ,		_														
Security Workstations Security Workstation chairs	25 10	0	1 0	0	0	0 0	0	0	0 0	0	0	0	1 \$2,50		\$2,500 \$550			\$2,500 \$550	\$2,500 \$550	\$2,500 \$550
Security Workstation chairs CCTV Display Consoles	10	U	2 0	0	0	0 0	0	0	0 0	0	0	0 2	1 \$55 2 \$5,00		\$550 \$5,000			\$550 \$5,000	\$550 \$5,000	\$550 \$10,000
Security PCs	5	0	2 0	0	0	0 0	0	0	0 0	0	0	0 2	2 \$2,00	00 \$4,000	\$2,000			\$2,000	\$2,000	\$4,000
Security Technology	20	0	0	0	0] (0] 0]	0	0	0 0	0	0]	0]	1 \$250,00	90 \$250,000	\$250,000				\$250,000	\$250,000 \$0
Staff Work Areas Staff Work Station	25	οl	0 0	<u> </u>	ol ·	<u>əl əl</u>	٥١	26	2 26	47	11	0 110	6 62 50	00 \$290,000	\$2,500			\$2.500	\$2,500	\$0 \$290,000
Staff Work Station Hotelling Work Station	25	0	0 0	0	0	0 0	0	0	0 1	2	11	0 116	6 \$2,50 3 \$2,50	00 \$7,500	\$2,500 \$2,500			\$2,500 \$2,500	\$2,500 \$2,500	\$290,000 \$7,500
FOLPA Workstations	25		0 0	0	0	0 0	0	0	0 0	0	2	0 2	2 \$2,50	\$5,000	\$2,500			\$2,500	\$2,500	\$5,000
Standing PC Work Pedestal (for Pages) Enclosed Office Furniture	30	0	0 0	0	0 (0 0	0	0	0 0	6	2	0 1	2 \$1,60 0 \$4,00		\$1,600 \$4,000			\$2,000	\$2,000 \$4,000	\$4,000 \$40,000
Staff Chairs wheeled	10	0	0 0	3	1 :	5 3	1	28	3 29	55	15	0 14			\$550		\$2,000	\$550	\$4,000 \$550	\$40,000 \$78,650
Work (Collaboration) Tables	15	0	0 0	0	0	0 0	0	0	0 2	2	0	0 4	4 \$65	50 \$2,600	\$650			\$650	\$650	\$2,600
Work Table Chairs Guest Chairs	10	0	0 0	0	0	0	0	0	0 12	12 20	4	0 24	· .		\$175 \$175			\$225 \$225	\$225 \$225	\$5,400 \$6,300
Lockers	30	0	0 0	0	0	0 0	0	0	0 0		54	0 54	4 \$40	00 \$21,600	\$400		\$550	\$800	\$400	\$21,600
Staff PCs	5	0	0 0	0	0	1 0	0	0	4 3	0	0	2 10	Ψ2,00		\$2,000		# 000	\$2,000	\$2,000	\$20,000
Ergotron Sit-Stand PC Screen Holders Filing Cabinets (incl. Storage)	30	0	0 0	0	0	1 2	10	0	0 0	13	10 5	0 103			\$750 \$1,000		\$200	\$650	\$750 \$1,000	\$77,250 \$30,000
Print Stations	10	0	0 0	0	Ŏ	1 0	0	Ö	1 2	2	1	0 30	7 \$5,00	00 \$35,000	\$5,000			\$1,800	\$5,000	\$35,000
Quiet Room/First Aid furnishings (incl. bed)	20	0	0 0	0	0	0 0	0	0	0 1	0	0	0 100	1 \$5,00		\$5,000 \$550			¢EE0	\$5,000 \$550	\$5,000 \$55,000
Book Trucks Kitchenettes/ Break room: (assumes millwork in hardcosts):	15	0	0 0	<u> U </u>	UĮ (υ <u>ι</u> 0]	U	υĮ	υ <u> </u>	UJ 1	100	0 100	0 \$55	50 \$55,000	\$550			\$550	\$550 \$0	\$55,000 \$0
Kitchen Tables	15	0	0 0	0	0	0 0	0	0	0 0	0	5	0 :	5 \$65	50 \$3,250	\$650		\$400		\$650	\$3,250
Kitchen Chair/Stool	15	0	0 0	0	0	0 0	0	0	0 16	20	30	0 66	6 \$12	25 \$8,250	\$125				\$125	\$8,250
Millworked Eating Counters/Bar Assume 10m Fridges	25	0	0 0	0	0	0 0	0	0	1 2	3	0	0 8	4 120 8 \$1,50		\$1,500				\$0 \$3,000	\$0 \$24,000
Microwaves	10	0	0 0	0	0	0 0	0	0	1 2	4	2	0	9 \$25		\$250				\$250	\$2,250

Children Discovery Centre Entrance Feature Specialty Children Furniture Stackable Childrens Chairs Childrens Tables Programming Material - Cushions Gaming Areas (Children & Teens)	2: 11: 11: 11: 2: 11:	6 0 0 0 6 0 0 0 6 0 0 0	0 0 20	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 \$25,000 0 1 \$25,000 0 75 \$125 0 8 \$600 0 20 \$35 0 8 \$5,000	\$25,000 \$25,000 \$9,375 \$4,800 \$700 \$40,000	\$25,000 \$25,000 \$125 \$600 \$35 \$5,000		\$25,000 \$25,000 \$125 \$600 \$35 \$5,000	\$0 \$25,000 \$25,000 \$125 \$600 \$35 \$5,000	\$0 \$25,000 \$25,000 \$9,375 \$4,800 \$700 \$40,000
Living Ottawa Digitization Workstation Microfilm stations Sound studio Sound mixing board Video Editing Equipment Virtual Reality Booth	11: 22: 23: 11: 11: 11:	0 0 0 0 5 0 0 0 6 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 4 0 0 0 6 0 0 0 2 0 0 0 2 0 0 0 2 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 \$5,000 0 6 \$5,000 0 2 \$20,000 0 2 \$10,000 0 2 \$5,000 0 2 \$20,000	\$20,000 \$30,000 \$40,000 \$20,000 \$10,000 \$40,000	\$5,000 \$5,000 \$20,000 \$10,000 \$5,000 \$20,000		\$5,000 \$5,000 \$20,000 \$10,000 \$5,000 \$20,000	\$0 \$0 \$5,000 \$5,000 \$20,000 \$10,000 \$5,000 \$20,000	\$0 \$0 \$20,000 \$30,000 \$40,000 \$20,000 \$10,000 \$40,000 \$0
Service Point Staff Stool Service Point Customer Chair Service Point PC with 2 way screen Public Staff Ipads Study Chairs Study Tables Cafe Chairs Cafe Tables Public Other Technology Station Public PC Station Lounge Seating Lounge Tables Bench Seats Rooftop Terrace Seating Rooftop Terrace Seating Rooftop Terrace Tables Public PC Printer Copy Station Accessible Furniture (WS + Chair) Charging Stations Public Digital Displays/LED TVs Listening/viewing/download stations - furniture+chair WIFI access points Recycling Station Self Checkouts Security Gates	10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 2 40 16 60 16 10 4 15 4 0 0 0 0 0 0 0 0 0 0 0 0 3 14 0 6 36 5 0 6 39 19 0 0 0 0 0 24 70 10 0 10 18 5 0 0 0 0 0 0 0 0 0 0 0 24 70 10 0 10 18 5 0 0 0 0 0 0 24 70 10 1 1 1 4 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 \$400 0 9 \$175 0 9 \$2,500 0 11 \$500 0 276 \$175 0 97 \$600 0 125 \$125 0 60 \$500 0 17 \$850 0 87 \$175 0 12 \$1,600 0 206 \$1,500 0 73 \$500 0 6 \$1,000 0 12 \$4,000 0 13 \$1,600 0 12 \$1,600 0 12 \$1,000 0 12 \$1,000 0 13 \$1,000 0 14 \$1,000 0 15 \$2,000 0 17 \$5,000 0 18 \$1,500 0 18 \$1,500 0 19 \$2,000 0 10 \$5,000 0 11 \$5,000 0 11 \$1,600 0 12 \$1,600 0 11 \$1,600 0 12 \$1,600 0 11 \$1,000	\$3,600 \$1,575 \$22,500 \$5,500 \$48,300 \$58,200 \$15,625 \$30,000 \$14,450 \$59,500 \$15,225 \$19,200 \$309,000 \$6,250 \$5,400 \$198,000 \$27,000 \$85,000 \$72,000 \$18,450 \$80,000 \$72,000 \$18,450 \$80,000 \$72,000 \$18,450 \$80,000 \$27,200	\$400 \$175 \$2,500 \$500 \$175 \$600 \$125 \$500 \$850 \$175 \$1,600 \$1,500 \$500 \$1,000 \$250 \$450 \$2,000 \$1,600 \$1,500 \$5,000 \$1,600 \$1,600 \$1,600 \$1,600 \$1,000 \$2,000 \$1,600 \$1,000 \$2,000 \$1,500 \$2,000 \$1,500 \$2,000 \$1,500 \$2,000 \$1,500 \$2,000 \$1,500 \$2,000 \$1,500 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000 \$1,500 \$2,000 \$1,500 \$2,000 \$1,000 \$2,000 \$2,000 \$1,000 \$2,00	\$200 \$400 \$1,500 \$500 \$1,500 \$1,800 \$2,500 \$1,800	\$175 \$600 \$200 \$600 \$850 \$850 \$175 \$1,600 \$1,500 \$600 \$1,000 \$2,000 \$1,600 \$2,000 \$1,600 \$4,000 \$1,025 \$4,000 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600	\$0 \$400 \$175 \$2,500 \$500 \$200 \$600 \$125 \$500 \$850 \$850 \$850 \$400 \$1,600 \$1,500 \$2,500 \$3,500 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$1,600 \$2,500 \$1,600 \$2,500 \$1,600 \$1,600 \$1,600 \$2,500 \$1,600 \$1,025 \$4,000 \$1,025 \$4,000 \$1,000	\$0 \$3,600 \$1,575 \$22,500 \$55,500 \$55,200 \$55,200 \$55,200 \$15,625 \$30,000 \$14,450 \$59,500 \$34,800 \$319,200 \$36,500 \$9,000 \$36,250 \$5,400 \$198,000 \$37,500 \$20,800 \$37,500 \$32,400 \$40,000 \$40,000
Shelving 36" H Shelving (per single sided bay) 48" H Shelving (per single sided bay) 60" H Shelving (per singled sided bay) Display/Merchandising Shelving 36" H Mobile Shelving (per single sided bay) 48" H Mobile Shelving (per single sided bay) 60" H Mobile Shelving (per single sided bay) Microform storage cabinets Multimedia Shelving (same as reg.) Small Digital Shelf End Display	33 34 33 33 34 33 34 33 33		0 22 142 0 0 21 2 0 0 0 0 0 0 0 0 0 64 0 0 0 0	0 0 0 0 0 5 11 1 0 0 20 695 157 1 3 14 0 0 5 0 0 0 0 0 0 0 2 8 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 18 \$525 0 155 \$610 0 1036 \$690 0 41 \$3,500 0 5 \$550 0 64 \$660 0 0 \$1,400 0 10 \$2,500 0 26 \$500	\$9,450 \$94,550 \$714,840 \$143,500 \$2,750 \$42,240 \$0 \$25,000 \$0 \$13,000	\$525 \$610 \$690 \$3,500 \$550 \$660 \$1,400 \$2,500 \$1,400 \$500	\$500 \$600	\$950 \$1,150 \$1,150 \$3,500 \$1,200 \$1,200 \$1,400 \$2,400 \$1,400 \$500	\$0 \$700 \$350 \$725 \$3,500 \$550 \$660 \$1,400 \$2,500 \$1,400 \$500 \$500	\$0 \$0 \$12,600 \$54,250 \$751,100 \$143,500 \$2,750 \$42,240 \$0 \$25,000 \$0 \$13,000 \$0
Maker Space Equipment Laser Cutters 3-d printers Maker PCs Digital Recording Video Lighting System for Digital Recording Studio Exhaust/Ventilation	!	0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 0 0 0 4 0 0 0 8 0 0 0 4 2 0 0 0 0 0 0 3 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 \$40,000 0 6 \$5,000 0 10 \$3,000 0 6 \$2,000 0 1345 \$20 0 3 \$25,000	\$120,000 \$30,000 \$30,000 \$12,000 \$26,900 \$75,000	\$40,000 \$5,000 \$3,000 \$2,000 \$0 \$0		\$40,000 \$5,000 \$3,000 \$2,000 \$25,000	\$0 \$40,000 \$5,000 \$3,000 \$2,000 \$20 \$25,000 \$0	\$0 \$120,000 \$30,000 \$30,000 \$12,000 \$26,900 \$75,000 \$0
Cafe Landlord Allowance for Cafe Equipment		0 1 (0 0 0	0 0 0 0	0 0 0	0 1 \$20,000	\$20,000	\$20,000			\$0 \$20,000 \$0	\$0 \$20,000 \$0
Materials Handling Equipment RFID Sorter & Installation Conveyors & Installation (250 ft.) RFID Bins Compact Shelving FOLPA (for 200 sq. ft.) Safe Common Staff Shelving (per single bay) 72" Filing Cabinets	29 24 11 30 33 33 33	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 1 0 0 30 0 0 1 0 0 2 0 0 12 0 0 4	0 1 \$200,000 0 1 \$250,000 0 30 \$5,000 0 1 \$50,000 0 2 \$4,000 0 12 \$1,000 0 4 \$1,000	\$0 \$200,000 \$250,000 \$150,000 \$50,000 \$8,000 \$12,000 \$4,000	\$200,000 \$250,000 \$5,000 \$50,000 \$4,000 \$1,000 \$1,000		\$150,000 \$250,000 \$5,000 \$50,000 \$4,000 \$1,000 \$1,000	\$0 \$150,000 \$250,000 \$5,000 \$50,000 \$4,000 \$1,000 \$1,000	\$0 \$150,000 \$250,000 \$150,000 \$50,000 \$8,000 \$12,000 \$4,000
Basement Service Level Garbage Compactor Lockers Work Benches Automated Scrubbers Burnishers Kubota Powered Floor Jack Scissor Lift (34" max) Dolly/Carts Snow blower Chemical Portion system Leaf Blowers /Weed trimmers Pressure Washer	20 21 21 11 21 21 22 22 21 110 11		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 12 0 0 2 0 0 2 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 6 0 0 2 0 0 5	0 1 \$16,100 0 12 \$400 0 2 \$1,500 0 2 \$18,000 0 1 \$3,500 0 1 \$50,000 0 1 \$10,000 0 1 \$20,000 0 6 \$350 0 2 \$2,000 0 5 \$250 0 1 \$750 0 1 \$2,500	\$16,100 \$4,800 \$3,000 \$36,000 \$50,000 \$10,000 \$20,000 \$2,100 \$4,000 \$1,250 \$750 \$2,500	\$16,100 \$400 \$1,500 \$18,000 \$3,500 \$50,000 \$10,000 \$20,000 \$350 \$2,000 \$250 \$750 \$2,500	\$550	\$800 \$1,500 \$18,000 \$3,500 \$50,000 \$10,000 \$20,000 \$350 \$2,000 \$250 \$750 \$2,500	\$0 \$0 \$16,100 \$550 \$1,500 \$18,000 \$3,500 \$50,000 \$10,000 \$20,000 \$350 \$2,000 \$2,000 \$250 \$750 \$2,500	\$0 \$0 \$16,100 \$6,600 \$3,000 \$36,000 \$35,500 \$50,000 \$10,000 \$2,100 \$4,000 \$1,250 \$750 \$2,500

	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	\$5,000	\$5
	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	\$5,000	\$5
	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	\$5,000	\$!
				0	0		U		0	0				v	0			\$1:
		- 0	5	0	0		U		0	0					0			\$2
		U	5	0	0	U	U	0	0	0			U	- 0	0	v		\$5
		·		0	0	·	0	0	0	0			0		0			\$2
		0		0	0	0	0	0	0	0	0	0	0	0	0			\$1
	20	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	\$10,000	\$3
		0		0	0	0	0	0	0	0	0	0	0		1	1		\$3
	30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
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		0	0	0	0	0	0	0	0	0	0	0	0		2			
		0	0	0	0	0	0	0	0	0	0	0	0	0	2			
	20	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	\$8,000	\$4
															1	1	\$5,000	9
				0	0	0	0	0	0	0		0	0	-	0			\$2
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			- U	0	0	0	0	0	0	0	-	•	0	-	0			\$6
		3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	\$10,000	\$3
OK	20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	\$40,000	\$4
	20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	\$60,000	\$(
Included in Hard Construction	30	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
	25	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	\$3,500	;
	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	\$2,000	
	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	\$2,500	\$
	10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	\$75,000	\$
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														338		7500		\$6,94
	OK OK Included in Hard Construction	10 10 10 10 10 10 10 10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

\$5,000 \$5,000 \$5,000	\$5,000	\$5,000 \$5,000 \$5,000 \$0 \$0	\$5,000 \$5,000 \$5,000 \$0 \$0
\$400 \$5,000 \$10,000 \$4,000 \$5,000 \$10,000	\$200 \$5,000 \$10,000 \$5,000 \$5,000 \$10,000	\$400 \$5,000 \$10,000 \$4,000 \$5,000 \$10,000 \$0	\$12,000 \$25,000 \$50,000 \$20,000 \$10,000 \$30,000 \$0
\$375,000 \$0 \$0 \$0 \$0 \$8,000 \$5,000		\$0 \$375,000 \$0 \$10,000 \$0 \$0 \$8,000 \$5,000 \$0	\$0 \$375,000 \$0 \$10,000 \$0 \$0 \$40,000 \$5,000 \$0 \$0
\$500 \$3,000 \$20,000 \$10,000 \$50,000 \$40,000	\$500 \$3,000 \$20,000 \$10,000	\$0 \$500 \$3,000 \$20,000 \$25,000 \$40,000 \$60,000	\$0 \$25,000 \$12,000 \$60,000 \$75,000 \$40,000 \$60,000
\$3,500 \$2,000 \$2,500 \$75,000	\$3,500 \$2,000 \$2,500 \$0	\$3,500 \$2,000 \$3,000 \$0 \$60,000	\$7,000 \$6,000 \$15,000 \$0 \$60,000
		TOTAL	\$7.283.665

\$338,535

% Uplift 5%

OPL-LAC Joint Project Revised: November 8, 2016 version 4 Legend OPL Spaces LAC Spaces Shared Spaces Unknown Pricing to be determined by T&T		Lifecycle Replacement in Ye Component 1 Exterior Spaces	Component 2 Town Square Component 3 Public Forum &	Component 4 Exhibition Gallery Component 5	ompone	Component 7 Children' Discovery Component 8 Creative Centre	Component 9 Teen Centre Component 10 Adult Fiction/Non Fiction	Component 11 Lving Ottawa Component 12 Service Coordination Component 13	Corporate Services Component 14 Geneology Centre		Reference Services Component 17 Reading Room	Component 18 Staff Workspaces	Component 19 Preservation Lab Bldg Serv/Mat'l Handling	Bldg Serv/Mat'l Handling Component 21 Parking Facility	Quantity	OPL Quantity	LAC Quantity	Shared Quantity	Unit Rate	OPL Cost	LAC Cost	Shared Cost	Total Cost
Francistra																							
Furniture Amphitheatre Raked Seating (Bldg hard costs)	Moveable - Pulls out and goes back. Tiered seating	30 0	0 300	0 0	0 0	0 (0 0 0	0 0	0 0	0	0 0	0	0 0	0 0	300	0	0	300	\$400	\$0	\$0	\$120,000	\$120,000
Amphitheatre Lighting and Sound Grid (In Ceiling)	Grid system - support for the light and sound equipment. 600sqft	30 0							0 0	0	0 0	0	0 0	0 0	600	0	0	0	\$50	90	90	\$30,000	\$30.000
Black Box Theatre Seating (stackable)	equipment. 600sqrt	30 0	0 70	0 0	0 0	0 (0 0	0 0	0 0	0	0 0	0	0 0	0 0	70	0	0	70	\$125	\$0	\$0	\$8,750	\$8,750
Chairs (Stackable)		15 0	0 450	0 () 2	45 36	30 114	75 60	30 0	20	0 0	0	0 0	0 0	862	392	20	450	\$125	\$49,000	\$2,500	\$56,250	\$107,750
Chairs - (Stackable) Childrens Stackable Chair Dollies		15 0 20 0	0 0	0 0	0 0	75 (2 2 6	0 0	2 0	1	0 0	0	0 0	0 0	75 46	75 22	1	23	\$125 \$150	\$9,375 \$3,300	\$0 \$150	\$0 \$3,450	\$9,375 \$6,900
Tables - Childrens		15 0	0 0	0 0	0 0	8 (0 0 0	0 0	0 0	0	0 0	0	0 0	0 0	8	8	0	0	\$600	\$4,800	\$0	\$0	\$4,800
Tables (30x60) 6 Persons (Foldable and wheels) Chair - Meeting Room Wheeled (<20 Ppl Rm)		15 0 10 0	0 67	0 0	36	8 6	6 9 27 0 24 66		5 1	6	1 18	22	0 0	0 0	181 214	85 176	29	67	\$600 \$175	\$51,000 \$30.800	\$17,400 \$6.650	\$40,200 \$0	\$108,600 \$37,450
Work (Collaboration) Tables		15 0	0 0	2 (0 0	0 (0 0 0	0 2	2 0	0	0 0	20	0 0	0 0	26	4	22	0	\$650	\$2,600	\$14,300	\$0	\$16,900
Chairs - Study		10 0	0 0	0 59	37	75 4°	1 23 98	22 12	12 0	0	0 0	0	0 0	0 0	379	379	0	0	\$175	\$66,325	\$0	\$0	\$66,325
2 to 3 Person Table Study Tables		15 0 15 0	0 0	0 0 0	6 23	2 (15 1(0 0 6	2 1	0 4	0	0 0	2	0 0	0 0	20 105	18 97	2	0	\$600 \$600	\$10,800 \$58,200	\$1,200 \$4,800	\$0 \$0	\$12,000 \$63,000
Chairs - Cafe		10 40	45 0	0 40		0 (0 0	0 0	0 0	0	0 0	0	0 0	0 0	125	40	0	85	\$125	\$5,000	\$4,800	\$10,625	\$15,625
Tables - Cafe		15 20		0 20		0 (0 0	0 0	0 0	0	0 0	0	0 0	0 0	60	20	0	40	\$500	\$10,000	\$0	\$20,000	\$30,000
Lounge Chairs Lounge Tables		10 0	20 4	0 20	5 20	12 (0 24 70		6 9	4	8 10	4	0 0	0 0	241 90	182 61	35 17	24 12	\$1,500 \$500	\$273,000 \$30,500	\$52,500 \$8,500	\$36,000 \$6,000	\$361,500 \$45,000
Bench Seats		15 0	0 0	0 0	0 0	0 (0 0	6 0	0 0	0	0 0	0	0 0	0 0	6	6	0	0	\$1,000	\$6,000	\$0,300	\$0	\$6,000
Rooftop Terrace Seating		10 25	0 0	0 (0	0 (0 0	0 0	0 0	0	0 0	0	0 0	0 0	25	0	0	25	\$250	\$0	\$0	\$6,250	\$6,250
Rooftop Terrace Tables Tables - LAC (5' x 8') Existing to be refurbished		15 12 15 0	0 0	0 0	0	0 (0 0 0	0 0	0 0	0	0 0	0	0 0	0 0	12 41	0	0	12	\$450 \$400	\$0 \$0	\$0 \$16,400	\$5,400 \$0	\$5,400 \$16,400
Tables - LAC (5' x 10') New		15 0	0 0		0 0	0 (0 0	0 0	0	0 16	0	0 0	0 0	16	0	16	0	\$5,000	\$0	\$80,000	\$0	\$80,000
Tables - LAC Study (4' x 5')		15 0	0 0	0 (0	0 (0 0	0 0	0 0	0	0 10	0	0 0	0 0	10	0	10	0	\$2,000	\$0	\$20,000	\$0	\$20,000
Tables - LAC Preservation Chairs - LAC Client Study		15 0 15 0	0 0	0 0	0 0	0 (0 0	0 0	0 0	0	0 0 40 176	0	4 0	0 0	4 276	0	4 276	0	\$1,000 \$800	\$0 \$0	\$4,000 \$220.800	\$0 \$0	\$4,000 \$220,800
Work Station - Accessible (WS + Chair)		15 0	0 0		1 2	2 2	2 2 4	2 0	0 0		0 2	0	0 0	0 0	17	15	2/6	0	\$2.000	\$30,000	\$4.000	\$0	\$220,800
(1001)																			4 =,000	\$640,700	\$453,200	\$342,925	\$1,436,825
Staff Furniture		25 2						0 07	10 10	40	44 -	70	0 11	4 0	0.47	440	407		00.500	2007 500	#0.17.500	00.500	****
Work Station Standing PC Work Pedestal (for Pages)		25 0	0 0		0 0	0 0	2 0 26	2 27	49 16	12	11 7	78	2 11	1 0	247	119	127	0	\$2,500 \$1,600	\$297,500 \$3,200	\$317,500 \$0	\$2,500 \$0	\$617,500 \$3,200
Enclosed Office Furniture		30 0	0 0	0 0	0 0	0 (0 0	0 2	6 0	0	0 0	9	0 2	0 0	19	10	9	0	\$4,000	\$40,000	\$36,000	\$0	\$76,000
Chairs - Wheeled Staff		10 0	1 0	0 6	3 2	6 4	4 2 30	1 20	55 0	22	4 16	87	2 15	1 0	286	153		1	\$550	\$84,150	\$72,600	\$550	\$157,300
Chairs - Guest Tables - OPL Board Room		10 0 25 0	0 0		0 0	0 0		0 4	20 0	0	0 0	30	0 4	0 0	58	28	30	0	\$175 \$10,000	\$4,900 \$10,000	\$5,250 \$0	\$0 \$0	\$10,150 \$10,000
Tables - LAC Board Room		20 0	0 0	0 0	0 0	0 (0 0	0 0	0 0	0	0 0	1	0 0	0 0	1	0	1	0	\$15,000	\$0	\$15,000	\$0	\$15,000
Tables - LAC Meeting Room, Large		20 0	0 0	0 (0 0	0 (0 0	0 0	0 0	0	0 0	2	0 0	0 0	2	0	2	0	\$5,000	\$0	\$10,000	\$0	\$10,000
Chairs - Board Room Credenza (Board/Meeting Rooms for 12+)		20 0	0 0	0 0	0 0	1 (0 0 3	2 1	12 0	0	0 0	18 22	0 0	0 0	30	12 9	22	3	\$800 \$1,500	\$9,600 \$13,500	\$14,400 \$33,000	\$0 \$4,500	\$24,000 \$51,000
Ergotron Sit-Stand PC Screen Holders		20 0	0 0	0 2	1 1	2	1 1 21	1 22	43 0	0	0 0	0	0 10	0 0	103	103	0	0	\$750	\$77,250	\$0	\$0	\$77,250
Kitchen Table		20 0	0 0	0 (0	0 (0 0	0 0	0 0	0	0 0	10	0 5	0 0	15	5	10	0	\$650	\$3,250	\$6,500	\$0	\$9,750
Millworked Eating Counters/Bar	Included in Hard Construction							2	2						4	4	0	0	\$0	\$0	\$0	\$0	\$0
Chairs - Kitchen/Stool		15 0	0 0	0 (0	0 (0 0	0 16	20 0	0	0 0	40	0 30	0 0	106	66	40	0	\$125	\$8,250	\$5,000 \$515,250	\$0 \$7.550	\$13,250
Specialty Furniture										 										\$551,600	\$515,250	\$7,550	\$1,074,400
Public PC Work Station		15 0	0 0	0 7	7 10	16 (0 10 43	19 0	0 0	0	0 0	0	0 0	0 0		105	0	0	\$850	\$89,250	\$0	\$0	\$89,250
Express/Catalogue PC Standing Station		15 0	0 0	0 10	6	2 (1 4	2 0	0 0	0	0 0	0	0 0	0 0	25	25	0	0	\$1,600	\$40,000	\$0 \$0	\$0 \$0	\$40,000
Digitization Equipment & Workstation Microfilm Work Stations		15 0 20 0	0 0) 0	0 (6 0	0 3	0	2 0	0	0 0	0 0	11	6	5	0	\$5,000 \$5,000	\$20,000 \$30,000	\$0 \$25,000	\$0 \$0	\$20,000 \$55,000
Quiet Room/First Aid furnishings (incl. bed)		20 0	0 0	0 0	0	0 0	0 0	0 1	0 0	0	0 0	1	0 0	0 0	2	1	1	0	\$5,000	\$5,000	\$5,000	\$0 \$0	\$10,000
Desks/Service Points (Millwork included in T&T)	OK	20 0	0 0	0 (0	0 (0 0	0 0	0 1.5	2	1 5.5	0	0 0	0 0	10	0	10	0	\$10,000	\$0	\$100,000	\$0	\$100,000
Entrance Feature		25 0	0 0	0 (0	1 (0 0	0 0	0 0	0	0 0	0	0 0	0 0	1	1	0	0	\$25,000	\$25,000	\$0	\$0	\$25,000
Specialty Children Furniture		15 0	0 0	0 0	0	1 (0 0	0 0	0 0	0	0 0	0	0 0	0 0	1	1	0	0	\$25,000	\$25,000 \$234,250	\$0 \$130,000	\$0 \$0	\$25,000 \$364,250
Misc Furniture				+ + -	+ +	-														φ ∠ 34,∠3U	φιου,000	ψU	φ304,∠30
Closet/Coat Rack		20 0	0 0	1 (0	0 (0 0	0 0	0 0		0 0		0 0	0 0	1	0	1	0	\$3,000	\$0	\$3,000	\$0	\$3,000
Lockers - Clients Lockers - Staff		30 0	0	0 0	0 0	0 (0 0	o o	0 0		0 0	0	0 0	0 0	80 70		80	0	\$200 \$400	\$0	\$16,000 \$1,600	\$0 \$0	\$16,000 \$28,000
		30 0	0 0	4 (U	0 (0 0	0 0	0 0	U	0 0	U	0 66	0 0	70	ОО	4	U	\$400	\$26,400	\$1,600	\$0	\$∠8,000
Cloak Room (250 people)	Included in Hard Construction	20 2	0 100			0) 0 0	0 0	0 0	0	0 0		0 0	0 0	0	0	0	0	000	\$0	\$0	\$0	Ф0.000
Visitor locker (cloak room) Desk Lamps (reuse existing)		30 0 20 0	0 100	0 0	0 0	0 (0 0 0		0 0		0 0	0	0 0	0 0	100	0	0	100	\$30 \$250	\$0 \$0	\$0 \$0	\$3,000 \$0	\$3,000 \$0
Book Trucks		15 0	0 0	0 0	0 0	0 (0 0	0 0	0 0	0	0 0	0	0 100	0 0	100		0	0	\$550	\$55,000	\$0	\$0	\$55,000
Programming Material - Cushions		5 0	0 0	0 (0	20 (0 0	0 0	0 0	0	0 0	0	0 0	0 0	20		0	0	\$35	\$700	\$0	\$0	\$700
Shelving/Cabinets				1																\$82,100	\$20,600	\$3,000	\$105,700
36" H Shelving (per single sided bay)		30 0	0 0	0 0	0 0	18 (0 0 0	0 0	0 0	0	0 0	0	0 0	0 0	18	18	0	0	\$525	\$9,450	\$0	\$0	\$9,450
48" H Shelving (per single sided bay)		30 0	0 0	0 (5 11 1	0 0	0 0		0 0	0	0 0	0 0	155	155	0	0	\$610	\$94,550	\$0	\$0	\$94,550
60" H Shelving (per singled sided bay) Display/Merchandising Shelving		30 0 30 0	0 0	0 0 22	142	0 (0 20 655 1 3 14	117 0	0 240		882 661	0	0 0	0 0	2239 51	956 41	1283 10	0	\$690 \$3,500	\$659,640 \$143,500	\$885,270 \$35,000	\$0 \$0	\$1,544,910 \$178,500
36" H Mobile Shelving (per single sided bay)		30 0	0 0	0 0	0	5 (0 0 0	0 0	0 0	0	0 0	0	0 0	0 0	5	5	0	0	\$550	\$143,500	\$35,000	\$0 \$0	\$178,500
22 11 mosaic charring (por oringio orded bdy)	1			, ,	U	J (- 0	, J	J 0		J 0	J	J U	3 0		U	U	-			7-1	7.	Ψ <u>z,</u> 7 50 J ALOPL-LAC-Furnitu

OPL-LAC Joint Project Revised: November 8, 2016 version 4 Legend OPL Spaces LAC Spaces Shared Spaces Unknown Pricing to be determined by T&T 48" H Mobile Shelving (per single sided bay) Compact Shelving FOLPA (for 200 sq. ft.) Common Staff Shelving (per single bay) 72" Microform storage cabinets Cabinets (incl. Storage) and Lockable Display Cabinets/Cases Filing Cabinets (incl. Storage) Lockers - Client Book/Material	30 30 30 30 30 30 30	0 0 0 0 0 Compor	0 0 0 0 Component 3 Public Forum &	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 C Compone 0 C Compone 0 C Compone	O Component 6	0 0 0 0 0 0 0	0 Creative Centre Component 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O Component 12 O O O O O O O O O O O O O O O O O O O	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O Compon	O O O O O O O O O O O O O O O O O O O	Component 1 / Component 1 / Component 1 / Component 1 8	O O O O Preservation Lab	Bldg Serv/Mat'l 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	antity 64 1 20 10 10 10 34 88	64 1 12 10 0 34 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	Unit Rate \$660 \$50,000 \$1,000 \$2,500 \$1,000 \$3,000 \$1,000	OPL Cost \$42,240 \$50,000 \$12,000 \$25,000 \$6 \$34,000 \$1,073,130	\$0 \$8,000 \$0 \$10,000 \$30,000 \$0	Shared Cost \$6 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$50,000 \$20,000 \$25,000 \$10,000 \$30,000 \$34,000 \$88,000
Technology Projectors (inclding screens) Sound System Technology for Hearing Impaired Theatre Lighting System Video Conferencing Gaming Areas (Children & Teens) Sound studio Sound mixing board Video Editing Equipment Virtual Reality Booth Service Point PC with 2 way screen Public Staff Ipads Public PC (all new)	10 20 10 30 10 10 25 15 10 10 4	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	5 0 3 0 5 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 0 0 0 0 0	2 1 1 0 0 4 0 0 0 1 1 1	2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 3 1 0 1 3 1 0 0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 1 2 1 2 6 39	1 0 1 0 0 0 0 2 2 2 2 1 1 1 2	1 0 2 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 1 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	17 6 15 3 6 8 2 2 2 2 2 2 9 12	12 3 10 1 4 8 2 2 2 2 2 9 11	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3 5 2 2 0 0 0 0 0	\$5,000 \$20,000 \$4,000 \$30,000 \$10,000 \$5,000 \$20,000 \$5,000 \$20,000 \$20,000 \$20,000 \$25,000 \$20,000 \$20,000	\$60,000 \$60,000 \$40,000 \$40,000 \$40,000 \$40,000 \$10,000 \$40,000 \$22,500 \$198,000	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$60,000 \$20,000 \$60,000 \$20,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$120,000 \$60,000 \$90,000 \$40,000 \$40,000 \$20,000 \$10,000 \$40,000 \$40,000 \$22,500 \$6,000
Staff PCs (new requirements only) Small Digital Shelf End Display Printer/Copy Stations Charging Stations Public Digital Displays/LED TVs/CCTV Display Listening/viewing/download stations Equip WIFI access points Self Checkouts Security Gates Live News Feed Screens Digital Orientation Security Equipment Security Equipment	30 30 10 15 15 15 20 15 25 10 15 20 25	0 0 0 0 0 0	0 0 0 0 7 5 2 0 0 0 5 2	0 0) 2) 5) 2) 0 0 0	0 4 1 1 1 6 1 1 0 0 0	14 1 4 2 2 2 2 2 1 1 1 0 0 0 0	0 0 1 1 2 2 2 0 1 0 0 0	0	0 4 4 1 2 2 0 1 1 2 0 0 0 0 0	3 0 2 0 0 0 1 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 2 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 1 0 0 0 0 1 0 0 0 0 0	0 1 0 0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	146 13 26 24 18 27 23 20 12 4 4 5 2	10 26 17 18 17 18 16 12 2 0 0	1 0 7 0 3 0 0 0 0 2 0 0	2 0 0 0 7 5 4 0 0 5 2	\$2,000 \$2,000 \$5,000 \$1,500 \$5,000 \$4,000 \$4,000 \$15,000 \$20,000 \$5,000 \$132,500 \$150,000	\$20,000 \$13,000 \$85,000 \$27,000 \$64,000 \$180,000 \$40,000 \$0 \$150,000	\$2,000 \$0 \$35,000 \$0 \$15,000 \$0 \$0 \$0 \$40,000 \$0 \$132,500 \$0	\$4,000 \$6 \$6 \$35,000 \$20,000 \$16,000 \$6 \$50,000 \$132,500	\$26,000 \$13,000 \$120,000 \$27,000 \$135,000 \$82,000 \$80,000 \$180,000 \$50,000 \$50,000 \$265,000 \$150,000
Program Equipment Laser Cutters 3-d printers Maker PCs RFID Sorter & Installation Conveyors & Installation (250 ft.) OK Book Return Units RFID Bins Safe Digital Recording Video Lighting System for Digital Recording Studio 1345sqft.	5 5 5 25 25 20 10 30 10	0 1 0 0	0 0 0 0 0 1 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0 0 0 0 0	0 2 2 0 0 0 0	3 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ŭ	0 0 0 1 1 1 0 30 2	0 0 0 0 0 0	0 0 0 0 0 0 0	3 6 10 1 1 3 30 2 6	3 6 10 1 1 1 30 2 6	0 0 0 0 0 0 0	0 0 0	\$40,000 \$5,000 \$3,000 \$300,000 \$250,000 \$10,000 \$5,000 \$4,000 \$2,000	\$1,342,000 \$120,000 \$30,000 \$300,000 \$250,000 \$150,000 \$12,000 \$26,900	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$20,000 \$0 \$0	\$120,000 \$30,000 \$30,000 \$300,000 \$250,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000
Exhaust/Ventilation Landlord Allowance for Cafe Equipment Kitchen Equipment Millwork (stainless steel counter tops insure a number of sinks, plugs and gas	25	0	0	0 0	0 0	0	0	3	0 0	0	0	0 0	0 0	0	0 0	1 0	0	0	0	4	3	1 0		\$25,000 \$20,000	\$75,000 \$0 \$1,011,900	\$25,000	\$0 \$20,000 \$40,000	\$100,000 \$20,000
outlets for equipment) Bussing Carts Chafing dishes Stainless steel centre counter and handsink - freestanding Steamer Warmers Holding cabinets Commercial Reach-in Fridges Commercial Reach-in Freezer Wire Shelving Sundries, equipment,pots, utensiles, etc. Grease Interceptor Stove/Oven (6 burner griddle top)	15 15 30 20 20 25 20 20 30 30 30 20	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	2 0 4 0 4 0 1 0 3 0 3 0 2 0 2 0 4 0 2 0 2 0 2 0 2 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0		0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	25 4 4 1 1 3 3 3 2 2 2 4 4 2 2	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	2 4 4 4 1 1 3 3 3 3 2 2 2 4 4 2 2 2 2 2 2	\$2,000 \$400 \$700 \$4,500 \$8,000 \$2,500 \$9,500 \$12,000 \$350 \$20,000 \$5,500 \$5,500	\$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$2,800 \$4,500 \$24,000 \$7,500 \$19,000 \$24,000 \$40,000 \$11,000	0 \$1,600 \$2,800 0 \$4,500 0 \$24,000 0 \$7,500 57,500 1 \$19,000 0 \$1,400 0 \$40,000 1 \$11,000
Microwaves - Commercial Commercial Dishwasher Exhaust hood w/ fire suppression Stainless steel Dishtable w pre-rinse sink - freestanding Fire Suppression System Kitchenette - Fridges Kitchenette - Microwaves	10 20 30 30 30 25 10	0 0 0 0 0	0 0 0 0 0 0	6 0 1 0 2 0 1 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 1 1	0 0 0 0 0 0 2 2	0 0 0 0 0 0 0 0 0 0 0 0 3 0		0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 5 0 5	0 0 0 0 0 0	0 0 0 0 0 0 2 2	0 0 0 0 0 0 0 0 0	0 0 0 0 0	6 1 2 1 1 13	0 0 0 0 0 0 8	0 0 0 0 0 0 5	6 1 2 1 1 0	\$500 \$9,000 \$12,000 \$2,500 \$3,500 \$1,500 \$250	\$0 \$0 \$0 \$0 \$12,000 \$2,250 \$14,250	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$7,500 \$1,250	\$3,000 \$9,000 \$24,000 \$2,500 \$3,500 \$0	\$3,000 \$9,000 \$24,000 \$2,500 \$3,500 \$19,500 \$3,500

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OPL-LAC Joint Project	, E									۵						2				_	≥				
Revised: November 8, 2016 version 4	eut				>	lice.	eīZ		_	atic	Ses	D D	Se	S	٥	ì			ŧ.	Quantity	ntii				
Legend	, e	_ ses	∞ ∞	1 4	ss ler	6 Serv	. 80 ~	tre	2 Š :	dii 2	ω <u>Σ</u> 4 6	15 tion 15	<u> </u>	77 2m 18 2ace	F Lat	₹ च	Z;.≩		a	au	na				
OPL Spaces	plac	pac t	ent 3	nent 4	on Gall nent 5 Expres	nent 6	nt B	Central ent 9 utre	iction/	nt wa	ate Serv) tat t	ice Serv	Soo Soo	M io t	/Mat'l	nt 2		ð l	ਨ 	Ö				
LAC Spaces	8	ar S	0 10 17	g		uni	ne - u	ye (<u>i</u>	Offs one	ate	rier la	an l	ding Roc	vat	DE SE	a B		بَ	Ö	9				
Shared Spaces) Sc	eric	. T F 등	if of i	ary ary	, dr fr	를 를 하는	ativ npc npc	# 6	og m og vic	du du		ere	mpc dir	ser g S	ill Sign	d iš		OPL	LAC	ha	OPL	LAC	Shared	
Unknown Pricing to be determined by T&T	i je	Component 1 Exterior Space	Town S Compo Public F	Me S	를 입니다.	000	S S	S S S	Fict Adu	Cor	00000		Ref C	Reg Cor Star	Comp Prese	Har Har	Cor	Quantity			نة Unit Rate	Cost	Cost	Cost	Total Cost
Building Equipment																		1							
Garbage Compactor	20	1	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	1	0	0	1 \$16,100	\$0	\$0	\$16,100	\$16,10
Work Benches	25	2	0	0	0 0) 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	2	0	0	2 \$1,500	\$0	\$0	\$3,000	
Automated Scrubbers	15	2	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	2	0	0	2 \$18,000	\$0	\$0	\$36,000	
Rumishers	20		0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0		1	0	0	1 \$3,500	\$0	\$0	\$3,500	
Kubota	20	1	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0		1	0	0	1 \$50,000	\$0	\$0	\$50,000	
Powered Floor Jack	20	1	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0		1	0	0	1 \$10,000	\$0		\$10,000	\$10,00
Scissor Lift (34" max)	20		0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0		1	0	0	* -,	\$0		\$20,000	
	20	6	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0		0	0	1 \$20,000	\$0			
Dolly/Carts Show blower	10	0	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	0	0	0	6 \$350 2 \$2,000			\$2,100	
Snow blower	10		0	U	0 0		0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	2	0	0		\$0		\$4,000	
Chemical Portion system	10		0	0	0 0) 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (, 0	5	0	0	5 \$250	\$0	\$0 \$0	\$1,250	
Leaf Blowers /Weed trimmers		-	0	0	0 0	, ,	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (, 0	1	0	0	1 \$750	\$0	\$0	\$750 \$2.500	\$75
Pressure Washer	10	7	0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	7	0	0	1 \$2,500	\$0	\$0		
Upholstery Cleaner	10	1	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	1	0	0	1 \$5,000	\$0	\$0	\$5,000	
Incidental Tools	10	-	0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	1	0	0	1 \$5,000	\$0		\$5,000	
Garden Tools	10		0	Ü	0 0) 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	1	0	0	1 \$2,500	\$0		\$2,500	\$2,50
Bicycle racks	30	75	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (60	135	0	0	135 \$300	\$0		\$40,500	
																						\$0	\$0	\$202,200	\$202,20
Parking Garage																									
4 Gates (Precise Parking Controls)	30		0		0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (1	1	0	0	1 \$375,000	\$0		\$375,000	
Host/Server (included in Gates)	30	0	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (1	1	0	0	1 \$0	\$0		\$0	
Directional Signage																		1	1	0	0 \$10,000	\$0		\$10,000	\$10,00
Payment Stations (included in Gates)	30		0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (2	2	0	0	2 \$0	\$0		\$0	
Entry Exit Scanning Stations (included in Gates)	30		0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (2	2	0	0	2 \$0	\$0		\$0	
Charging Stations (Based on Glebe Parking Fac)	20	0	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (5	5	0	0	5 \$8,000	\$0	\$0	\$40,000	
Incidental Parking Supplies (Cones, etc.)																	1	1	0	0	1 \$5,000	\$0		\$5,000	
																						\$0	\$0	\$430,000	\$430,00
Exterior / Common Spaces																									
Plants/Pots	5	20	10	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	30	0	0	30 \$400	\$0	\$0	\$12,000	\$12,00
Benches	25	6	0	0	0 0	0 (0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	6	0	0	6 \$3,000	\$0		\$18,000	
Display Projections	10	3	0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	3	0	0	3 \$20,000	\$0	\$0	\$60,000	\$60,00
	10	0	0	0	0 0			0 0	0	0 0	0	0	_	0 0	0	0		0	4	0	0 040 000				
Digital Signage OK	10	3	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	3	1	0	3 \$10,000	\$0		\$30,000	\$30,00
Exterior Building Sign OK	20	2	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	2	1	0	2 \$40,000	\$0		\$80,000	\$80,00
Street Building Pylon Sign	20	1	0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	1	1	0	1 \$60,000	\$0		\$60,000	\$60,00
Exterior Accent Lighting Included in Hard Construction	30		0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	1	0	0	1 \$0	\$0		\$0	
Flag Poles	25		0	0	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (0	4	0	0	4 \$3,500	\$0	\$0	\$14,000	
Garbage / Recycling	10		0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (, <u> </u>	4	0	0	4 \$2,000	\$0		\$8,000	\$8,00
Children Play equipment	5		0	U	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 (, 0	5	0	0	5 \$2,500	\$0		\$12,500	
Fixed Interior Signage	10		1	•	0 0	0 0		0 0	0	0 0	0	0 0	0	0 0	0	0 (·	1	0	0	1 \$75,000	\$0		\$75,000	
FIP Primary Signage	10		0		0 0	0 0	0	0 0	0	0 0	0	0 1	0	0 0	0	0 (0	1	0	1	0 \$5,000	\$0		\$0	
Recycling Station	10	0	1	2	0 1	1	2	1 1	2	1 2	1	0 0	0	0 2	0	2 1	0	20	14	3	3 \$1,600	\$22,400		\$4,800	
				_		\perp											\perp					\$22,400	\$9,800	\$374,300	\$406,50
				_	\perp	\perp			\perp														1		ļ
* T&T have used the 5% percentage cost differnece within OPL FET and applied it to the above pricing to	oring c	osts in	ine wit	h prici	ng con	tained	in the O	PL FET she	eet.													\$4,972,330	\$2,541,870	\$2,100,775	\$9,614,97
	 					\perp																			
																							T&T Uplift	5%	468,675
	$oxed{oxed}$																1						Revised Total		\$10,083,65

Signage Analysis



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	Qty	Unit rate \$	Total Cost	Comments/ Assumptions	Unit rate \$	Total Cost	Comments/ Assumptions
Wayfinding	1	\$50,000.00	\$50,000.00	That would include tactile signage for critical location such as emergency exits and washrooms.	\$25,000.00		Wayfinding signage is about right if the library is 4 floors or less. More than that you would be looking at another \$6k per floor.
Fixed Signage	3	\$10,000.00	\$30,000.00	Assuming exterior sign boxes measuring 10' x 15'	\$10,000.00	\$30,000.00	Fixed signage is usually signage for office doors, washrooms, stairs, exits, emergency exits. Most of these will also need braille. You can estimate about \$100.00 per sign plus installation costs. Again, the number of floors plays a part. I would estimate \$2500.00 per floor, especially if there are washrooms on each.
Digital Signage	3	\$25,000.00	\$75,000.00	Assuming a message board measuring 3' x 8' with 16mm pixel resolution	\$10,000.00	\$30,000.00	Digital signage I assume means television type monitors. \$10k per setup sounds about right. This would include the video control box that contains the information supplied to the screen, plus computers for control.
Exterior Building Sign	1	\$25,000.00	\$25,000.00	Assuming a logo with individual letters not exceeding 30 letters	\$40,000.00		Exterior building signage for \$10,000 means small illuminated letters "OTTAWA PUBLIC LIBRARY" maybe 15" high. They also need to be mounted on the building not more than 20' from the ground. For bigger letters, or if they are mounted at the top of a 10 storey building, you are looking at anywhere up to \$50,000.
Street Building Pylon Sign	1	\$60,000.00	\$60,000.00	Assuming a 24' high sign without an electronic messaging board but including foundation	\$40,000.00	\$40,000.00	Pylon sign for \$20,000 could be small sized (under 20' tall) and could include a monochrome double sided electronic sign. A bigger sign could be done but with an electronic sign would be over \$20k. For a colour electronic sign you would need to add \$10k plus foundations
			\$190,000.00			\$165,000.00	