

APPENDIX A

Contract Awards Provided for Information (contracts over \$50,000 and up to \$175,000)

#	User/Budget Holder School/Department	Products/Services Details	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
1	All Schools Mathematics/LLSI	Braining Camp Digital Manipulatives DA22-191SSF Brainingcamp is a provider of 16 virtual and dynamic manipulatives for visualizing mathematics concepts and making student math thinking visible. Brainingcamp manipulatives and canvases augment traditional math manipulatives by leveraging the digital environment to support building students' conceptual understanding. The interactive whiteboard and sharing feature allow teachers and students to share thinking and provide timely feedback. This agreement provides district-wide access.	Braining Camp, LLC	N/A	N/A	Sole Source	\$131,500	September 2021 / August 2022	LLSI - Mathematics

Contracts Requiring Finance, Budget and Enrolment Committee Approval
(contracts over \$175,000 and up to \$250,000)

#	User/Budget Holder School/Department	Products/Services Details	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
-	Nil Items	-	-	-	-	-	-	-	-

Contracts Requiring Board Approval (contracts over \$250,000 and Consulting Services over \$50,000)

#	User/Budget Holder School/Department	Products/Services Details	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
1	IT Services	Security Information and Event Management Solution AS22-210P MGCS 11558 IT Security Products & Services See Appendix D	Optiv Canada Inc.	Yes	No	2	Y1 - \$642,381 Y2 – \$544,603 Y3 – \$544,603	May 2022 / April 2025	IT Services / Purchasing Services
2	IT Services	Cisco Email Security AS22-315P MGCS 11558 IT Security Products & Services See Appendix E	Computacenter (TeraMach)	Yes	No	2	\$343,500	April 2022 / April 2023	IT Services / Purchasing Services
3	IT Services	Chrome Devices DA22-195OECM-R OECM-2021-371-01 Chrome and Cloudbook Devices and Services See Appendix F	Compugen	Yes	No	3	\$3,566,755 \$9,300,020	May 2022/ September 2026 One-time bulk purchase for Grades 5 & 9 1:1 Student Device Program	IT Services / Purchasing Services
4	IT Services	Provision of Research and Advisory Services Subscription for Information Technology Departments A membership subscription that provides access to best-practise IT research and roadmaps supporting IT department improvements in areas including tools and	Info-Tech Research Group	N/A	N/A	Sole Source	\$149,000	April 30,2022/ April 29, 2024	IT Services

#	User/Budget Holder School/Department	Products/Services Details	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
		templates, benchmarking and vendor assessment databases, training, and access to industry analysts etc.							
5	IT Services/ Telecom	Bell Canada Megalink Services LG22-331SSF Bell Megalink circuits enable incoming/outgoing phone calls at 1 Civic Centre Court and 5050 Yonge Street locations in the event of network or TDSB Data Centre service disruptions.	Bell Canada	N/A	N/A	N/A	\$62,500	Feb 2022 / Jan 2027	IT Services/ Purchasing Services
6	IT Services Network Services	Cisco/Meraki Access Points Supply of WiFi access points for various school locations. See Appendix G	Bell Canada	N/A	N/A	Single Source	\$3,112,955	April 2022	IT Services
7	All Schools	Musical Instruments Repairs and Services LQ22-122P Vendors of record established to provide instrument repair services to all schools on an as-required basis.	Music-Tech Services Inc. Harmony-Music Services The Music Lab Gazebo Music Cosmo Music Long & McQuade String Tech Wright Piano Tuning Paul Hahn Woodshed Percussion Steeltone Musical Soul Drums Piano Tuners Tommy Crichlow	Yes	No	14	\$380,000	April 2022 / March 2027	LLSI-The Arts/ Purchasing Services

BRIEFING NOTE

Date 7 April 2022
To Finance, Budget & Enrolment Committee
From Peter Singh, Executive Officer, Information Technology and Information Management

Subject **Security Information and Event Management (SIEM)**

Purpose To provide visibility into security related issues on the Board's network, the Security Operations group within IT Services currently uses McAfee's Security Information and Event Management (SIEM) solution. This solution is installed on-premise and the supporting hardware will reach end of life on June 1, 2022 and will no longer be supported by the vendor.

Over the past year, the Security Operations group has conducted Proof of Value (PoV) testing of two industry leading cloud based SIEM solutions, Microsoft Sentinel and Splunk Enterprise Security. After extensive testing within the Board's computing environment, it was determined that both solutions would be viable products to replace the Board's existing SIEM solution. Both solutions also offer new functionality called Security Orchestration and Automated Response (SOAR), which will allow the Security team to configure and automate workflows so that security threats can be responded to in real time. As a result of the PoV testing, to obtain the best value for the Board, pricing was solicited from existing OEM and MGCS vendors for both solutions.

Costing for Microsoft Sentinel was provided by the Board's existing Microsoft Enrollment for Education Solution provider, Softchoice. The total estimated cost to implement and operate Sentinel for three years is \$4,021,594.

Costing for Splunk's Enterprise Security solution was submitted by Optiv. The total estimated cost to implement and operate Splunk's solution for three years is \$1,731,587.

It is recommended that Optiv be awarded a three-year contract to implement and license Splunk's Enterprise Security solution. There will be a one-time

implementation fee of \$97,778, plus an annual cost of \$479,036 to ingest, analyze and store Board security related data. Additionally, SOAR functionality will cost \$65,567 annually, resulting in a total three year total cost of \$1,731,587.

Year 1	Year 2	Year 3
\$97,778 (implementation fee)	N/A	N/A
\$479,036 (ingest/analyze/store data)	\$479,036 (ingest/analyze/store data)	\$479,036 (ingest/analyze/store data)
\$65,567 (SOAR functionality)	\$65,567 (SOAR functionality)	\$65,567 (SOAR functionality)
\$642,381	\$544,603	\$544,603
3-Year Total Cost: \$1,731,587		

- Strategic Direction**
- Allocate human and financial resources strategically to support student needs.

BRIEFING NOTE

Date 7 April 2022

To Finance, Budget & Enrolment Committee

From Peter Singh, Executive Officer, Information Technology and Information Management

Subject Cisco Email Security

Purpose Due to persistent security threats faced by the Board's computing environment from incoming malicious email (e.g. malware, spam, phishing) the IT Security Operations team has been utilizing Cisco's cloud-based e-mail security solution for the past four years. This subscription service has been effective in identifying and isolating incoming email-based threats before they enter our network. To ensure the continuity of this service, an RFQ was issued to existing OEM & MGCS vendors.

Bids were received from Softchoice and Computacenter/Teramach. Computacenter/Teramach was the lowest priced submission with a one-year cost of \$343,500.

It is recommended that Computacenter/Teramach be awarded the contract to renew the subscription to Cisco's Secure Email solution for a total one-year cost of \$343,500.

Strategic Direction • Allocate human and financial resources strategically to support student needs.

BRIEFING NOTE

Date 7 April 2022
To Finance, Budget & Enrolment Committee
From Peter Singh, Executive Officer, Information Technology and Information Management

Subject **Chrome Devices**

Purpose Devices running the Chrome OS, specifically Chromebooks, have become a mainstay in the delivery of digital curriculum to TDSB students. Prior to the COVID-19 pandemic, schools were combining to purchase approximately 11,000 Chromebooks annually. With the launch of the 1:1 Student Device Program for grades 5 and 9, the Board acquired approximately 35,000 Chromebooks in the lead up to the 2021-22 school year, while schools have continued to make ad-hoc purchases from their own budgets. Chromebooks have taken on increasing importance as they have facilitated remote and in-person learning at a lower price point than traditional Windows or MAC laptops.

OECM Chrome device vendors were invited to submit bids for the TDSB's Chrome requirements. Three (3) bids were received from Compugen, Powerland, and Insight. The submission from Insight did not pass the minimum scoring threshold for service requirements. As a result, they were disqualified from further consideration. Of the remaining two bids, Compugen offered devices from three alternative manufacturers (Acer, ASUS and HP). When considering price, service and technical requirements, the overall score for all three alternatives from Compugen each scored higher than the submission from Powerland.

It is recommended that a contract be awarded to Compugen to address both TDSB schools ongoing year-to-year Chrome device requirements over the next four year period as well as a bulk one-time purchase to address the next round of Grades 5 & 9 1:1 Student Device Program requirements. Given the high value of the Student Device Program requirements, subsequent annual

requirements will be bid competitively to ensure best value for the Board.

- Strategic Direction**
- Allocate human and financial resources strategically to support student needs.

BRIEFING NOTE

Date 7 April 2022

To Finance, Budget & Enrolment Committee

From Peter Singh, Executive Officer, Information Technology and Information Management

Subject **Cisco/Meraki Wireless Access Points**

Purpose

This is the third phase of improvement efforts for Wi-Fi access in various schools.

In the first phase, approximately 8200 wireless access points have been installed in 295 schools through COVID-19 Resilience Infrastructure Funding Stream (CVRIS) funding.

The second phase of improvement efforts were approved by Board on March 9, 2022 providing 2190 access points in 51 schools and was funded through the Connectivity at Schools Program (CASP).

This additional order will cover 3410 access points for the remaining 196 schools. The purchase includes both the access point hardware and the first year of support/licensing of the hardware.

Wi-Fi replacement in portables is planned for next year.

It is recommended that Bell be awarded the contract, as they have supplied the initial two phases, they are our CISCO hardware Vendor of Record, and are able to ramp up quickly to meet this project's timelines. They have also held pricing at the same level as phase one.

This purchase will be funded through the IT Services budget.

Strategic Direction • Allocate human and financial resources strategically to support student needs.