



REQUEST FOR INFORMATION WIDE AREA NETWORK

2009 January12
Issued by: The Thames Valley District School Board and the London District Catholic School Board
RFI#335
Return Date: prior to noon, Local Time, 2009 February 13

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET A - TERMS**

ITEM NO.	DESCRIPTION	COMPLIES/WILL NOT COMPLY	COMMENTS
1.0	INTRODUCTION		
1.1	The London District Catholic School Board (LDCSB) and the Thames Valley District School Board (TVDSB) is seeking hardware and software solutions to our Wide Area Network systems. The tentative completion and live date for this system is: LDCSB November 2010 and TVDSB January 2011.		
1.2	A pre-selection process will be used to identify qualified vendors in the marketplace and assist the LDCSB and the TVDSB in obtaining information from prospective suppliers around the provisioning of Wide Area Connectivity Services.		
1.3	This information will help in developing a comprehensive Request for Proposal (RFP) that will be issued by each Board for this project.		
1.4	This document outlines the generic scope of this project, sets out the requirements for this Request for Information (RFI).		
1.5	The LDCSB and the TVDSB are encouraging bidders to make innovative suggestions or solutions for changes.		
2.0	TVDSB/LDCSB BACKGROUND		
2.1	The Thames Valley District School Board is one of the largest public school boards in the province of Ontario. The TVDSB is the employer of approximately 8,000 staff and operates 187 schools with an estimated enrolment of 85,000 students. The TVDSB is comprised of all public schools within the counties of Elgin, Middlesex, Oxford and the City of London. In total, the TVDSB has over 200 educational and administrative sites spread out over 7,000 square kilometres.		
2.2	The London District Catholic school system has 48 elementary and 8 secondary schools providing a full range of education experiences from Junior Kindergarten through to the completion of secondary school. In addition, Continuing Education for adult learners is available. 21,000 students in the counties of Middlesex, Oxford and Elgin, including the cities of London, St. Thomas and Woodstock are educated in this school system.		
3.0	CURRENT ENVIRONMENT		
3.1	All Board locations are connected to a high speed wide area network. The Boards, in partnership with their networking providers, support a WAN that is QOS enabled. WAN speeds and capacities vary depending on location. Bandwidths vary from a minimum of 1.5 Mbs to a maximum of 1 Gbps. All speeds are scalable and can be increased as required.		
3.2	A list of sites and bandwidth is shown in Worksheet B.		
3.3	Both Boards currently use separate VoIP telephone systems (Nortel and Mitel).		
4.0	OBJECTIVES		
4.1	To provide the Boards sufficient information to develop their individual comprehensive RFP.		

FIRM NAME : _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET A - TERMS**

ITEM NO.	DESCRIPTION	COMPLIES/WILL NOT COMPLY	COMMENTS
4.2	The Board's are looking for cost effective solutions that will meet current and future requirements. Your proposal should identify any new and unreleased technology that would meet the TVDSB's and the LDCSB's technology requirements.		
4.3	The Board's are looking for options that may include an integrated or circuit solution that encompasses all hardware and software requirements. Any solution must have the capacity to add additional schools to the proposed system.		
4.4	The proposed solution should address architecture, features each system provides, management reporting capabilities, cost of maintenance, upgrades and add-ons, individual moves, adds deletions, removals, relocations and the total cost of ownership/investment of the proposed system.		
5.0.	REQUIREMENTS		
5.1	Requirements are listed in Worksheet B		
6.0	GENERAL TERMS AND CONDITIONS		
6.1	The bidders have read, and understand and agree to the provisions of this document.		
6.2	The Boards reserves the right to reject any, part or all of the RFI.		
6.3	The Boards reserve the right to waive any irregularity of any Expression of Interest and to request clarification and/or additional information.		
6.4	The TVDSB and the LDCSB take no responsibility for the accuracy or completeness of any information supplied during Stage 1 of the RFI of this project and will not be responsible for any costs incurred in responding to this RFI.		
6.5	All enquiries to the RFI will be directed to Cheryl MacKenzie, Supervisor, Purchasing Services, at 519-452-2000. Questions regarding the contents of the RFI should be faxed to 519-452-2399 or e-mailed to Cheryl MacKenzie at c.mackenzie@tvdsb.on.ca.		
6.6	Questions concerning the terms and conditions of the bid document, whether made orally or in writing, to any individual other than indicated above may, at the sole discretion of the TVDSB and the LDCSB, render your submission noncompliant. Direct questions only to: Cheryl MacKenzie. The TVDSB and the LDCSB will only be bound by written answers to questions .		
6.7	All costs associated with the preparation of the RFI will be solely the responsibility of the bidder.		
6.7	Sealed Request for Information Submissions will be received up to 12:00:00 Noon on February 13th, 2009 and should be submitted to :		
6.8	The Thames Valley District School Board		
6.9	"Tenders Clerk"		
6.10	Tenders Clerk's box, Basement, Education Centre		
6.11	Thames Valley District School Board		

FIRM NAME : _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET A - TERMS**

ITEM NO.	DESCRIPTION	COMPLIES/WILL NOT COMPLY	COMMENTS
6.12	P.O. Box 5888, 1250 Dundas Street		
6.13	London, Ontario		
6.14	N6A 5L1		
7.0	SCHEDULE		
7.1	A schedule for the RFI process is as follows:		
7.2	Stage1		
7.2.1	Issue RFI - January 12th , 2009		
7.2.2	Return Date - February 13th, 2009		
7.2.3	1 Hour Vendor Presentations - Week of March 9th, 2009 - The presentations will be limited to one hour and an additional fifteen minutes are allocated for questions and answers. The Board's will facilitate this process to ensure each bidder has equal time for their presentations. Your presentation should describe the value added services your proposal would bring to the Board's environment. Bidders will be notified the week of February 16, 2009 of the time and date of presentations.		
7.3	Bidders will be selected for presentations based on the following:		
7.3.1	Ability to meet the requirements of the TVDSB and the LDCSB		
7.3.2	Completeness of the RFI submission		
7.3.3	Quality of RFI submission		
7.3.4	Degree of innovation		
7.3.5	Experience with projects of a similar nature		
7.4	Stage 2 (tentative time lines)		
7.4.1.	Issue Request for Proposal (RFP) - June1, 2009		
7.4.2	RFP closing - September 1, 2009		
7.4.3	Award to vendor - December 1, 2009		
7.4.4	Implementation - January 1, 2010		
7.4.5	Completion Date - January 1, 2011		
8	FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT		
8.1	Bidders agree that all documentation and information contained in any bid submissions and any addendum that becomes the property of the TVDSB and the LDCSB and shall be subject to disclosure pursuant to an application pursuant to a Municipal Freedom of Information and Protection of Privacy Act request for disclosure. Notwithstanding that a bid submission or an addendum may contain a trade secret of the bidder, intellectual property right of the bidder, or scientific, technical, commercial, pricing or other financial or labour relations information or any other similar secret.		

FIRM NAME : _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET A - TERMS**

ITEM NO.	DESCRIPTION	COMPLIES/WILL NOT COMPLY	COMMENTS
8.2	A bidder specifically consents to the disclosure of any and all information contained in their bid submission or any addendum pursuant to a request for disclosure pursuant to a Municipal Freedom of Information and Protection of Privacy Act and such consent shall be considered a consent given pursuant to Subsection 10(2) of the said Act. Notwithstanding the aforesaid, the bidder assigns all right, title and interest that they have in the bid submission, and any addendum to the TVDSB and the LDCSB, including the right to copy and/or publish the same as the TVDSB and the LDCSB sees fit, notwithstanding that no request for disclosure is made pursuant to the Municipal Freedom of Information and Protection of Privacy Act.		
8.3	All bidders agree not to disclose any information provided by the TVDSB in this bid document to any third party without the written consent of the TVDSB.		
9.0	BID SUBMISSION		
9.1	BIDDER'S RESPONSE GUIDE		
9.1.1	Each bid submission should be structured using only the criteria identified in this bid document. When submitting bids, bidders should use the same numbering format, as on this bid document.		
9.1.2	The bid submission must include:		
9.1.3	Printed and signed copies of all Appendices		
9.1.4	One Diskette or CD with file names:		
9.1.5	Worksheet A: Terms and Conditions Response in Excel format - Electronic response required		
9.1.6	Worksheet B: Specifications in Excel format - Electronic response required		
9.1.7	Worksheet C: Pricing in Excel format - Electronic response required		
9.1.8	It is the bidders responsibility to ensure the that the necessary "files" are on the diskette or CD.		
9.1.9	Failure to respond in electronic format will deem the bid noncompliant.		
9.1.10	All bid documents should be submitted in an envelope marked with the bid name and number (as set out in Section 10.6 - Labelling Instructions).		
9.1.11	Bidders' submissions should include page numbers for ease of reference by committee members.		
9.1.12	The bid submission may include to supplemental materials such as graphs etc. but must not exceed 10 pages. ALL OF THE INFORMATION REQUESTED MUST BE ENTERED INTO THE WORKSHEETS.		
9.1.13	Supplemental materials will not qualify as substitutes for direct responses to the bid's requirements unless specifically requested.		
10.0	ELECTRONIC BIDDING INSTRUCTIONS		
10.1	DOWNLOADING BID DOCUMENTS		
10.1.1	All documents are available from the TVDSB Web Site at www.tvdsb.on.ca		

FIRM NAME : _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET A - TERMS**

ITEM NO.	DESCRIPTION	COMPLIES/WILL NOT COMPLY	COMMENTS
10.1.2	Click "Purchasing - Bids " icon		
10.1.3	Click "Electronic Bidding Instructions, Bid Download and Bid Results" or "Bids"		
10.1.4	Read instructions		
10.1.5	Click "Proceed to Inquiry/Download page"		
10.1.6	Click on the "Name of the Bid" to view documents in PDF format.		
10.1.7	Click on the "NEW" logo to download the executable files for preparing and submitting your bid.		
10.1.8	All bid files are available for downloading at no charge from the TVDSB web site.		
10.2	PRINTING COPIES OF BID DOCUMENTS		
10.2.1	To print a working copy of any bid document - Click on the "name of the Bid" to print documents in PDF format.		
10.3	COMPUTER SYSTEM REQUIREMENTS		
10.3.1	To use the electronic system, bidders must have the following equipment:		
10.3.2	Microsoft Windows, version 9.5 or greater		
10.3.3	2.5 MB available hard drive space		
10.3.4	3 ½ 1.44 MB diskette drive or CD Burner.		
10.4	INSTALLATION OF BID PROGRAM ONTO YOUR COMPUTER:		
10.4.1	The TVDSB has made every effort to ensure the files are free of any virus and are functional. However, in safe computing practice, you are responsible for checking the files on your own virus checker to ensure it is free of any virus.		
10.4.2	Download the executables from our Web Site as shown above. Double click on the "NEW" logo for the executable file. Follow the instructions.		
10.4.3	The bid files are installed into a default directory called C:\LBTENDER. When the installation process is complete, a box will appear with a "Remove Thames Valley District School Board Tender icon"; please close this box. When the setup is complete, click close.		
10.4.4	To begin the Bid Program:		
10.4.5	Go to Windows Explorer		
10.4.6	Click on C:\ drive		
10.4.7	Open the folder "lbtender"		
10.4.8	The following files will be installed in the C:\lbtender directory:		
10.4.9	Appendices.xls		
10.4.10	To start the process open the Excel files and complete as instructed.:		
10.5	THE RETURN DISKETTE OR CD:		
10.5.1	After all bids have been entered:		
10.5.2	Copy the all Appendixes to either a 3.5" Diskette or CD using your company's standard CD Writing program.		
10.5.3	Check to ensure that the "files" are on the diskette or CD. Without these files we will not be able to download your bid.		
10.5.4	Be sure to label your diskette or CD with company name and signature.		

FIRM NAME : _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET A - TERMS**

ITEM NO.	DESCRIPTION	COMPLIES/WILL NOT COMPLY	COMMENTS
10.6	LABELLING OF ENVELOPE AND DISK		
10.6.1	ADDRESS BID ENVELOPE AS SHOWN BELOW:		
10.6.2	From - Company Name & Address		
10.6.3	To: OFFICE OF THE TENDERS CLERK		
10.6.4	Thames Valley District School Board		
10.6.5	EDUCATION CENTRE, Basement		
10.6.6	1250 Dundas Street,		
10.6.7	LONDON, Ontario		
10.6.8	N5W 5P2		
10.6.9	Wide Area Network - Request for Information		
10.6.10	Bid #335		
10.6.11	Return Date: 2009 February 13		
10.7	PLEASE AFFIX LABEL ON DISK AS SHOWN BELOW:		
10.7.1	THAMES VALLEY DISTRICT SCHOOL BOARD		
10.7.2	Wide Area Network - Request for Information		
10.7.3	Bid #335		
10.7.4	Return Date: 2009 February 13 - 12:00:00 local time		
10.7.5	Signature:		
10.7.6	Firm Name:		
11.0	SIGNATURE PAGE		
11.1	This section must be completed, signed, and included with your submission for your bid to be accepted.		
11.2	I hereby acknowledge and agree that I have read and completed all of the preceding Contract Terms and Conditions and all Appendices. All required Appendices are included in our bid submission.		
11.3	I/We the undersigned are duly authorized to execute this Bid Submission on behalf of:		
11.4	NAME (Please print):		
11.5	TITLE:		
11.6	SIGNATURE:		
11.7	FIRM NAME:		
11.8	State the legal entity that your organization operates under:		
11.9	Proprietorship		
11.10	Partnership		
11.11	Corporation		
11.12	If your organization is incorporated, bidders must state the jurisdiction in which the corporation was originally incorporated in:		
11.13	Name of each individual Partner or Correct Legal Name of Corporation:		
11.14	E-MAIL ADDRESS:		
11.15	ADDRESS:		

FIRM NAME : _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET A - TERMS**

<i>ITEM NO.</i>	<i>DESCRIPTION</i>	<i>COMPLIES/WILL NOT COMPLY</i>	<i>COMMENTS</i>
11.16	INTERNET ADDRESS:		
11.17	TELEPHONE NO.:		
11.18	FAX NO.:		
11.19	If subcontracting , bidders must provide the correct legal name for any sub contractor, their full personal name and address, telephone number, fax number, as well as the name(s) of appropriate contact persons (with whom the TVDSB may consult regarding this bid with whom the bidder enters into a contract(s) with to carry out any portion of this contract:		
11.20	Firm Name:		
11.21	Firm Address:		
11.22	Telephone Number:		
11.23	Fax Number:		
11.24	E-MAIL ADDRESS:		

FIRM NAME : _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET B - REQUIREMENTS**

ITEM NO.	DESCRIPTION	RESPONSE	COMMENTS
REQUIREMENTS			
B1	The Boards are seeking information for the installation and provisioning of a WAN network for Voice, Video and Data services to the Board's teaching locations. The scope of work will be developed from this RFI.		
B2	A list indicating both Boards' locations and current connectivity is included in Worksheet C.		
B3	The Boards are seeking high WAN Bandwidth capabilities to support the following initiatives:		
B3.1	Server Consolidation and virtualization		
B3.2	Support of network based applications such as student management systems, e-mail, Data Warehousing, Streaming Video, Video Conferencing		
B3.3	Remote desktop and application support		
B3.4	Remote application deployment		
B3.5	Online course material		
B3.6	VoIP		
B4	Bidders must address the following topics in their submissions:		
B5	Strong preference will be given to fiber optic based solutions, please describe the technologies you propose to use to deliver high, scalable bandwidth to all locations, ideally:		
B5.1	100Mbps to Elementary Schools,		
B5.2	1000Mbps to Secondary Schools and our Education Centre.		
B6	Describe how you handle prioritization of delay sensitive traffic such as video and voice and other multi-media applications		

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET B - REQUIREMENTS**

ITEM NO.	DESCRIPTION	RESPONSE	COMMENTS
B7	Describe what capacity you have to handle multi-cast traffic support		
B8	Are you able to deliver any location to any location connectivity? Please explain:		
B9	Describe your ability to provide redundant routing to disaster recovery location		
B10	Describe how VLANS may be added/deleted to locations?		
B11	Describe Hardware to be used		
B12	Describe Software to be used		
B13	List key features/functionality		

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET B - REQUIREMENTS**

ITEM NO.	DESCRIPTION	RESPONSE	COMMENTS
B14	Describe Security		
B15	Describe integration into the Board's telecommunications environment		
B16	Describe how the proposed network must support Quality of Service (QoS).		
B17	The network must have the ability to apply rate-limiting guarantees to specific packet types to ensure Quality of Service at the WAN link.		
B18	The network must have the ability to support multiple QoS policies and prioritization queues across the link to reduce latency and packet loss, and guarantee throughput for voice, video and data.		
B19	Please describe any redundancy that is built into your core network?		
B20	Describe how you would work with the Boards to assist us in developing the most efficient wide-area-network strategy.		

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET B - REQUIREMENTS**

<i>ITEM NO.</i>	<i>DESCRIPTION</i>	<i>RESPONSE</i>	<i>COMMENTS</i>
B21	How will you work with the Boards to resolve bandwidth issues at locations where fibre is not available or is presently cost-prohibitive to implement?		
B22	TRAINING		
B22.1	List all Training/Support offered		
B23	MAINTENANCE		
B23.1	Please comment on SLO's, SLA's, Mean time to repair		
B23.2	Ongoing Technical Support		
B24	REPORTING TOOLS		
B24.1	Reporting Tools - include in this section any reporting tools that would assist the Board's in measuring the efficiencies of the proposed systems.		
B25	PROJECT MANAGEMENT/ EXPERIENCE WITH SIMILAR PROJECTS. Bidders must detail:		
B25.1	Describe the Project Management tools to be used		

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET B - REQUIREMENTS**

ITEM NO.	DESCRIPTION	RESPONSE	COMMENTS
B25.2	Demonstrated ability to migrate the Boards from their existing independent infrastructures to the next generation WAN with no adverse impact on the support and services that the Boards currently receive.		
B25.3	Ability to establish and maintain a flexible relationship and a management approach that correlates to, and complements, both Board's business and technical objectives.		
B25.4	Experience with transactions of similar nature, in terms of magnitude, services, technology and the geographic dispersion of facilities, equipment and end users.		
B25.5	Demonstrated skills, experience and expertise in the design, development and delivery of the proposed next generation WAN solution, and, based on these skills, experience and expertise must ensure that the proposed goods and services are appropriate for the use to be made of them as set out in this RFI.		
B26	What other value added opportunities do you propose?		
B27	PRICE		
B27.1	Total cost of ownership/investment for proposed solution should be included in Worksheet C for each location		

FIRM NAME: _____

SIGNATURE: _____

Thames Valley District School Board - WAN Locations

*** Yellow Highlight - Indicates
School Closures

TVDSB - Site Name	Site address	City	Locale	Network speed	PROPOSED SPEED	HARDWARE	EST. COST
Thames Valley Board Office	1250 Dundas St.E.	London		2X1000M Fibre			
A.B. Lucas S.S.	656 Tennent Ave.	London		100M Fibre			
A.E. Duffield P.S.	6820 Duffield Str.	Lambeth	Boiler Room	10M Fibre			
A.J. Baker P.S.	528 Allen Str.	Kintore		HDSL T1			
Aberdeen P.S.	580 Grey Str.	London	Custodial Slop Room	10M Fibre			
Adelaide-WG MacDonald P.S.	29059 School Rd.	Strathroy	Black Hubbell cabinet in Staff Room	HDSL T1			
Adult Learning Centre	10 Ontario Str.	St. Thomas	Storage room - existing location of T1 access	ADSL			
Aldborough P.S.	11443 Furnival Rd.	Rodney		HDSL T1			
Algonquin P.S.	59 Algonquin Rd.	Woodstock		10M Fibre			
Anishnaabe Skiniw	R.R. #1	Muncey	In copy room off Education Office	HDSL T1			
Annadale P.S.	60 Tillson Ave.	Tillsonburg		10M Fibre			
Arthur Ford P.S.	617 Viscount Rd.	London		10M Fibre			
Arthur Stringer P.S.	43 Shaftesbury Ave.	London		10M Fibre			
Arthur Voaden S.S.	41 Flora Str.	St. Thomas		100M Fibre			
Ashley Oaks P.S.	121 Ashley Cres.	London		10M Fibre			
Balaclava Street P.S.	20 Balaclava Str.	St. Thomas		10M Fibre			
Beachville P.S.	23 Zorra Str.	Beachville	Wiring rack in Storage Room, Basement, under the stairs	HDSL T1			
***Biddulph Central P.S.	34297 Saintsbury Line	Lucan	BlackHubbellcabinet in Library / Computer Lab	HDSL T1			
Bishop Townsend P.S.	814 Quebec Str.	London	Fibre in Boiler Room 121, switch in rack in main closet	10M Fibre			
Blossom Park Ed. Centre	391 Blossom Park Rd.	Woodstock		10M Fibre			
Bonaventure Meadows P.S.	141 Bonaventure Dr.	London	Fibre in Main Office Closet, switch in LAN room in Library (146)	10M Fibre			
***Brick Street P.S.	393 Commissioners Rd. W.	London	Room 116	10M Fibre			
Byron Northview P.S.	1370 Commissioners Rd. W	London	Room 104	10M Fibre			
Byron Somerset P.S.	175 Whisperwoods Ave.	London	Fibre in Room. 157, switch in AV storage room beside library	10M Fibre			
Byron Southwood P.S.	1379 Lola Str.	London	Fibre in Boiler Room, switch in Room 113	10M Fibre			
C.C. Carrothers P.S.	360 Chippendale Cres.	London	Boiler Room 114	10M Fibre			
Caradoc Central P.S.	714 Bowen Str. E	Mt. Brydges	Staff room	HDSL T1			
Caradoc North P.S.	8041 Scotchmere Dr.	Strathroy		10M Fibre			
***Caradoc South P.S.	611 Peter Str.	Melbourne	Hubbell Cabinet in room 1- Computer Lab	HDSL T1			
***CEC South	400 Sunset Dr.	St. Thomas		100M Fibre			
Centennial Central P.S.	14774 Medway Rd.	Arva		10M Fibre			
Central Elgin Collegiate	201 Chestnut Str.	St. Thomas		100M Fibre			
Central P.S.	410 Hunter Str.	Woodstock		10M Fibre			
Central S.S.	509 Waterloo Str.	London		100M Fibre			
Chippewa P.S.	1035 Chippewa Dr.	London	Fibre in Room. 127F, switch in room 127E	10M Fibre			
Clara Brenton P.S.	1025 St. Croix Ave.	London	Rm. 105	10M Fibre			

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET C - PRICING**

TVDSB - Site Name	Site address	City	Locale	Network speed	PROPOSED SPEED	HARDWARE	EST. COST
Clarke Road S.S.	300 Clarke Rd.	London	Fibre in Room 126 switch in room 236	100M Fibre			
Cleardale P.S.	780 Dulaney Dr.	London	Rm. 111c	10M Fibre			
Colborne Street P.S.	25 Colbourne Str.	Strathroy	Fiber in nurses office, switch in VP office Hubbell cabinet	10M Fibre			
College Avenue S.S.	700 College Ave.	Woodstock		100 Meg reuse 100 Meg reuse			
D.M. Sutherland P.S.	110 Winchester Str.	Woodstock		10M Fibre			
Davenport P.S.	80 Rutherford Ave.	Aylmer		10M Fibre			
Delaware Central P.S.	14 Osborne St.	Delaware	Black Hubbel cabinet ,Computer Lab storsge room	HDSL T1			
***Drumbo Central P.S.	32 Wilmot Str. S.	Drumbo		HDSL T1			
Dundas Centre	561 Dundas Street	London	office	ADSL			
Dunwich-Dutton P.S.	239 Main Str	Dutton		HDSL T1			
Eagle Heights	284 Oxford Str. W.	London	Fibre in mechanical room at east end of building, switch in LAN room	10M Fibre			
Ealing P.S.	840 Hamilton Rd.	London	Fibre in Basement, switch in storage area in main office	10M Fibre			
East Elgin S.S.	362 Talbot Str. W	Aylmer		100M Fibre			
East Oxford Central P.S.	505767 Old Stage Rd.	Eastwood		HDSL T1			
East Williams Memorial P.S.	4441 Queen Str.	Ailsa Craig	Black Hubbell cabinet in Lan room	HDSL T1			
Eastdale P.S.	65 Aileen Dr.	Woodstock		10 Meg reuse			
Edward Street P.S.	84 Edward Str.	St. Thomas		10M Fibre			
Ekcoe Central P.S.	3719 Parkhouse Dr.	Glencoe	Server room-outside staff room	10M Fibre			
Elgin County Outdoor Ed Ctr.	48436 John Wise Line	Aylmer	In closet in room with stuffed animals, ground floor	HDSL T1			
Elgin Court P.S.	254 First Ave.	St. Thomas		10M Fibre			
***Elmdale P.S.	25 Elm Str.	St. Thomas		10M Fibre			
Emily Carr P.S.	44 Hawthorne Rd.	London	Rm. 132	10M Fibre			
Evelyn Harrison P.S.	50 Tewksbury Cres.	London	Fibre in Boiler Room, switch in Room 103G				
F.D. Roosevelt P.S.	560 Second Str.	London	Fibre in Fan Room, switch in Library LAN room (with servers)	10M Fibre			
Facilities Services - TVDSB	951 Leathorne Str.	London	Electrical Room	100M Fibre			
Fairmont P.S.	1040 Hamilton Rd.	London	Fibre in Room B01, switch in room 131	10M Fibre			
Field Studies Centre	775275 Blandford Rd.	Eastwood	Upper Work Room	HDSL T1			
Forest Park P.S.	295 Forest Ave	St. Thomas	Fibre in Boiler Room, switch in server room (next to office)	10M Fibre			
G.A. Wheable Adult Centre	70 Jacqueline Str.	London	Rm. 258A	100M Fibre			
Glen Cairn P.S.	53 Frontenac Rd.	London		10M Fibre			
Glencoe District H.S.	3581 Concession Str.	Glencoe	Black Hubbell cabinet in Library Server Room -Ground Floor-	100M Fibre			
Glendale H.S.	37 Glendale Dr.	Tillsonburg		100 Meg existing			
H.B. Beal S.S.	525 Dundas Str.	London		100M Fibre			
Harris Heights P.S.	2 Caffyn Str.	Ingersoll	Room 113	10M Fibre			
Hickson Central P.S.	161 Loveys Str.	Hickson		HDSL T1			
Hillcrest P.S.	1231 Fuller Str.	London	Rm. 102A	10M Fibre			
Hillcrest P.S.	840 Sloane Str.	Woodstock		10M Fibre			

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET C - PRICING**

TVDSB - Site Name	Site address	City	Locale	Network speed	PROPOSED SPEED	HARDWARE	EST. COST
Homedale P.S.	112 Churchill Cres	St. Thomas		10M Fibre			
Huron Heights P.S.	1245 Micheal Str.	London	Rm. 106	10M Fibre			
Huron Park S.S.	900 Cromwell Str.	Woodstock		100M Fibre			
Ingersoll District Collegiate	37 Alma Str.	Ingersoll	Rm. 115	100M Fibre			
Innerkip Central P.S.	180 Coleman Str.	Innerkip		HDSL T1			
Jack Chambers P.S.	1650 Hastings Dr.	London	Rm. 201	10M Fibre			
Jeanne Sauve	215 Wharnccliffe Rd. N.	London	Fibre in Boiler Room, switch in room 102B	10M Fibre			
John Dearness P.S.	555 Sanitorium Rd.	London	Fibre in Room 117B, switch in staff room (105)	10M Fibre			
John P. Robarts P.S.	84 Bow Str.	London	Fibre in Boiler Room, switch in storage room in computer lab	10M Fibre			
Kensal Park P.S.	328 Springbank Dr.	London	Rm. 104A	10M Fibre			
Knollwood Park P.S.	70 Gammage Str.	London	Fibre in Room B03, switch in room 128B	10M Fibre			
***Leesboro Central P.S.	17400 Evelyn Dr.	Thorndale	Black Hubbell cabinet in storage room	HDSL T1			
Lester B. Pearson P.S.	795 Trafalgar Str.	London	Rm. 118A	10M Fibre			
Locke's P.S.	22 South Edgeware Rd.	St. Thomas		10M Fibre			
Lord Dorchester S.S.	61 Queen Str.	Dorchester	Fibre in Custodial Room, switch in room 138 - Both Ground Floor	100M Fibre			
Lord Elgin P.S.	1100 Victoria Dr.	London	Stage corner	10M Fibre			
Lord Nelson P.S.	1990 Royal Cres.	London	Fibre in Boiler Room - Rm. 17, switch in storage room in office	10M Fibre			
Lord Roberts P.S.	440 Princess Ave.	London	Fibre in Room B07D, switch in storage room off Nurse's room	10M Fibre			
Lorne Avenue P.S.	723 Lorne Ave	London	Rm. 110	10M Fibre			
***Lucan P.S.	270 Main Str.	Lucan		HDSL T1			
***M.B. McEachern P.S.	4401 Colonel Talbot Rd.	Lambeth	LAN Room	10M Fibre			
Maintenance Depot	745 Hounsfield Str.	Woodstock		HDSL T1			
***Manor & Highland Park P.S.	77 Tecumseh Ave. W	London	Fibre in Room 124, switch in room 104	10M Fibre			
Maple Lane P.S.	25 Maple Lane	Tillsonburg		10 Meg reuse			
Masonville P.S.	25 Hillview Blvd.	London	Fibre in Boiler Room, switch in LAN/server room	10M Fibre			
McGillivray Central P.S.	34714 Creamery Rd.	Ailsa Craig	Hubbell Cabinet in library	HDSL T1			
McGregor P.S.	204 John Str. S	Aylmer		10M Fibre			
Medway H.S.	14405 Medway Rd.	Arva		100M Fibre			
***Metcalf Central P.S.	6100 Calvert Dr.	Strathroy	Black Hubbell cabinet in library office/computer lab	HDSL T1			
Mitchell Hepburn P.S.	95 Raven Ave.	St. Thomas		10M Fibre			
Montcalm S.S.	1350 Highbury Ave.	London	Rm 151A	100M Fibre			
Mosa Central P.S.	22741 Pratt Siding Rd.	Glencoe	Black Hubbell cabinet in Library	HDSL T1			
Mountsfield P.S.	8 Mountsfield Dr.	London		10M Fibre			
***Myrtle Street P.S.	43 Myrtle Str.	St. Thomas		10M Fibre			
New Sarum P.S.	9473 Belmont Rd.	New Sarum		10M Fibre			
Nicholas Wilson P.S.	927 Osgoode Dr.	London		10M Fibre			
North Meadows P.S.	82 Middlesex Dr.	Strathroy	Lan room	10M Fibre			
North Middlesex District S.S.	100 Main Str.	Parkhill		100M Fibre			
North Norwich P.S.	40 Main Str. S.	Burgessville		10M Fibre			
Northbrae P.S.	335 Belfield Str.	London	Rm. 117	10M Fibre			

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET C - PRICING**

TVDSB - Site Name	Site address	City	Locale	Network speed	PROPOSED SPEED	HARDWARE	EST. COST
Northdale Central P.S.	3860 Catherine Str.	Dorchester	Black Hubbell Cabinet in Library Storage Room	10M Fibre			
***Northdale P.S.	655 Tennent Ave.	London	Boiler Room	10M Fibre			
Northdale P.S.	290 Victoria Str. N	Woodstock		10M Fibre			
Northridge P.S.	25 McLean Dr.	London	Rm. 104	10M Fibre			
***Norwich District S.S.	1 Jerdon Str.	Norwich		100M Fibre			
Norwich P.S.	8 Elgin Str.	Norwich		10M Fibre			
Oakridge S.S.	1040 Oxford Str.	London		100M Fibre			
Oliver Stephens Senior P.S.	164 Fyfe Ave	Woodstock		10 Meg reuse			
Orchard Park P.S.	50 Wychwood Park	London	Rm 114	10M Fibre			
Otterville P.S.	118 Main Str. W	Otterville		HDSL T1			
Oxbow P.S.	13624 Ilderton Rd.	Ilderton	Wiring rack in LAN room/Custodial store room	HDSL T1			
Parkhill-West Williams P.S.	204 McLeod Str.	Parkhill		10M Fibre			
Parkside Collegiate	241 Sunset Dr.	St. Thomas		100M Fibre			
Parkview P.S.	10008 Oxbow Dr.	Komoka		HDSL T1			
Plattsville & District P.S.	112 Mill Str. E.	Plattsville		HDSL T1			
***Plover Mills P.S.	17231 Plover Mills Rd.	Thorndale	Black Hubbell cabinet in store room /off of health room	HDSL T1			
Port Burwell P.S.	30 Strachan	Port Burwell		10M Fibre			
Port Stanley P.S.	350 Carlow Rd.	Port Stanley	Wiring rack in Library Office	HDSL T1			
***Prince Andrew P.S.	15237 Thirteen Mile Rd.	Denfield	Black Hubbell cabinet in Library - Ground Floor	10M Fibre			
Prince Charles P.S.	1601 Wavell Str.	London	Office Storage Rom	10M Fibre			
Princess Anne P.S.	191 Dawn Dr.	London	Rm. 132A	10M Fibre			
Princess Anne P.S.	210 King Str	Ingersoll	Fiber in room J, switch in ceiling outside office	10M Fibre			
Princess Elizabeth P.S.	247 Thompson Rd.	London		10M Fibre			
Princess Elizabeth P.S.	37 William Str.	Ingersoll	Fiber in electrical room, switch in teacher work room	10M Fibre			
***Princeton Central P.S.	40 Elgin Str. E.	Princeton		HDSL T1			
Richmond Centre	240 Richmond Street	London	Office	ADSL			
Rick Hansen P.S.	70 Ponderosa Cres.	London	Rm. 104	10M Fibre			
River Heights P.S.	4269 Hamilton Rd.	Dorchester	Hubbell cabinet in Storage Server room behind stage	10M Fibre			
Riverside P.S.	550 Pinetree Dr.	London	Fibre in Room. 121, switch in basement storage room B117	10M Fibre			
Rolph Street P.S.	83 Rolph Str.	Tillsonburg		10 Meg reuse			
Ryerson P.S.	940 Waterloo Str	London	Fibre in room 141A, switch in room 128	10M Fibre			
Saunders S.S.	941 Viscount Rd.	London		100M Fibre			
***Scott Street P.S.	50 Scott Str.	St. Thomas		10M Fibre			
Sherwood Forest P.S.	7 Annadale Dr.	London	Fibre in Room 110A, switch in room 102 (staff room)	10M Fibre			
Sir Frederick Banting S.S.	125 Sherwood Forest Sq.	London		100M Fibre			
Sir George Ross S.S.	365 Belfield Str.	London		100M Fibre			
Sir Georges Etienne Cartier	695 Chiddington Ave.	London	Fibre in Room 121, switch in staff room	10M Fibre			
Sir Issac Brock P.S.	80 St. Lawrence Blvd.	London	Rm. 125A	10M Fibre			
Sir John A. MacDonald P.S.	1150 Landon Str.	London	Boiler Room	10M Fibre			

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET C - PRICING**

TVDSB - Site Name	Site address	City	Locale	Network speed	PROPOSED SPEED	HARDWARE	EST. COST
Sir Wilfred Laurier S.S.	450 Millbank Dr.	London		100M Fibre			
Sir Winston Churchill P.S.	1837 Churchill Ave.	London	Rm. 116	10M Fibre			
South Dorchester P.S.	48614 Crossley Hunter Line	Belmont		10M Fibre			
South Ridge P.S.	391 Quarter Town Line	Tillsonburg		10 Meg reuse			
South S.S.	371 Tecumseh Ave.	London		100M Fibre			
Southdale P.S.	248 Keffer Str.	Strathroy	Hubbell cabinet in Room 8	10M Fibre			
Southside P.S.	360 Albert Str.	Woodstock		10M Fibre			
Southwold P.S.	39261 Fingal Line	St. Thomas		10M Fibre			
Sparta P.S.	45885 Sparta Line	Sparta		HDSL T1			
Springbank Employment and Learning Centre	360 Springbank Drive	London		ADSL			
Springbank P.S.	1060 Sprucedale Rd.	Woodstock		10M Fibre			
Springfield P.S.	133 Main Str.	Springfield		10M Fibre			
St. George's P.S.	782 Waterloo Str.	London	Rm. 106 - Boiler Rom	10M Fibre			
St. Thomas Alternative School	170 Curtis St.	St. Thomas	Side Office	ADSL			
Staffordville/Eden P.S.	9188 Plan Rd.	Staffordville		10M Fibre			
Stoneybrook P.S.	1460 Stoneybrook Cres.	London	Rm. 125A	10M Fibre			
Strathroy District Collegiate	361 Second Str.	Strathroy	Server Room -Ground Floor	100M Fibre			
Summers Corners P.S.	50576 Talbot Line	Aylmer	Fibre in mechanical room, switch in Storage room behind main office	10M Fibre			
***Sweaburg P.S.	474465 Sweaburg Rd	Sweaburg	Wiring rack in main office- Ground floor	HDSL T1			
Tavistock P.S.	79 Maria Str.	Tavistock		HDSL T1			
Tecumseh P.S.	401 Tecumseh Ave.	London	Fibre in Custodial office, switch in Storage room in main office	10M Fibre			
Thames S.S.	785 Trafalgar Str	London	Fibre in Rm 143-Staff Room, switch in Storage Rm in office	100M Fibre			
Thamesford P.S.	130 McCarty Str.	Thamesford		HDSL T1			
Tillson Avenue Ed Centre	90 Tillson Ave.	Tillsonburg	Store Room across from main office (photocopier room) - existing locn of T1	ADSL			
Tollgate Central P.S.	44993 Oxford Cty Rd 1	Woodstock	Wiring rack above door in Staff Room	10M Fibre			
Trafalgar P.S.	919 Trafalgar Str.	London	Fibre in Room B05, switch in photocoy room in Main office	10M Fibre			
Tweedsmuir P.S.	349 Tweedsmuir Ave.	London	Rm. 104	10M Fibre			
University Heights P.S.	27 Ford Cres.	London	Rm. 103B	10M Fibre			
Valleyview P.S.	10339 Ilderton Rd	Ilderton	Black Hubbell Cabinet in Storage room beside staff room	HDSL T1			
Victoria P.S.	130 Wharncliffe Rd. S.	London	Fibre in Basement Storage Room, switch in 213A	10M Fibre			
Victory Memorial P.S.	210 Thames Str. S	Ingersoll	Fiber in basement tel room, switch in library office	10M Fibre			
W. Sherwood Fox P.S.	660 Steeplechase Dr.	London	Rm. 109	10M Fibre			
***Wellington Street P.S.	50 Wellington Str.	St. Thomas		10M Fibre			
West Elgin S.S.	139 Graham Str.	West Lorne		100M Fibre			
West Elgin Sr. Elementary	139 Graham Str.	West Lorne	Fiber in room 116 of Secondary school, room 66 of Elementary school	10M Fibre			
Westdale P.S.	1050 Plantation Rd.	London	Rm. 122	10M Fibre			
Westfield P.S.	38 Glenn Ave.	Ingersoll	Wiring rack in Storage Room	10M Fibre			

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET C - PRICING**

TVDSB - Site Name	Site address	City	Locale	Network speed	PROPOSED SPEED	HARDWARE	EST. COST
Westminister Central P.S.	2835 Westminister Dr.	London	Boiler room	10M Fibre			
Westminister S.S.	230 Base Line Rd. West	London		100M Fibre			
Westmount P.S.	1011 Viscount Rd.	London	Boiler Room	10M Fibre			
White Oaks P.S.	565 Bradley Ave.	London	Rm. 113	10M Fibre			
Wiingashk Centre	70 Jacqueline Street	London		ADSL			
Wilfrid Jury P.S.	950 Lawson Rd.	London	Rm. 104	10M Fibre			
Wilton Grove P.S.	626 Osgoode Dr.	London	Fibre in Room 114, switch in room 111A, Library office	10M Fibre			
Woodland Heights P.S.	474 Springbank Dr.	London	Rm. 120A	10M Fibre			
Woodstock Collegiate Institute	35 Riddell Str.	Woodstock		100M Fibre			
Woodstock Transition School	476 Peel Street	Woodstock	Reception Area & run cable to where computers are	ADSL			
Wortley Rd. P.S.	301 Wortley Rd.	London	Fibre in Boiler Room, switch in room 111A, Library office	10M Fibre			
Zorra Highland Park P.S.	376368 Oxford Rd 6	Embro		HD SL T1			
New School Builds							
Thorndale Public School							
Drumbo Public School							
Lucan Public School							
St. Thomas South West Public School							
London North East Public School							
LDCSB - Site Name	Site address	City	Locale	Network speed	PROPOSED SPEED	HARDWARE	EST. COST
ADMINISTRATION							
Administration	5200 Wellington Rd. S.	London	Lower Level	1000 Mbps			
Maintenance dept.	4074 Breck Ave.	London	Office	10 Mbps			
OXFORD COUNTY							
Msgr. J. H. O'Neil	250 Quarterline Rd.	Tillsonburg	Library	10 Mbps			
St. Francis Princeton	128 Main St.	Princeton	Library	1.5 Mbps			
St. Joseph's Thamesford	154978 15th Line	Thamesford	Storage Rm.	1.5 Mbps			
St. Joseph's Tillsonburg	31 Francis St.	Tillsonburg	Library	10 Mbps			
St. Jude's Ingersoll	30 Caffyn St.	Ingersoll	Room 108 (Electrical)	10 Mbps			
WOODSTOCK							
Holy Family French Imm.	177 Oxford St.	Woodstock	LAN Rm	10 Mbps			
St. Mary's High School	431 Juliana Drive	Woodstock	Rm. Next to Gym	100 Mbps			
St. Michael's Woodstock	1085 Devonshire St.	Woodstock	Health Rm.	10 Mbps			
St. Patrick's Woodstock	344 Parkinson Rd.	Woodstock	Storage Rm.	10 Mbps			
St. Rita's Woodstock	908 Dundas St.	Woodstock	Library	10 Mbps			
MIDDLESEX COUNTY							
Our Lady Immaculate	75 Head St. N.	Strathroy	AV Storage Rm.	10 Mbps			
***Our Lady of Lourdes	2436 Gideon Drive	Delaware	AV Rm.	1.5 Mbps			
NEW: Our Lady of Lourdes	TBD	Delaware	TBD				
Sacred Heart	148 Ann St.	Parkhill	Custodial Rm.	10 Mbps			
St. Charles	257 Elizabeth St.	Glencoe	Resource Area	10 Mbps			
St. David	3966 Catherine St.	Dorchester	Library	10 Mbps			
St. Patrick Lucan	33654 Roman Line	Lucan	LAN Rm.	1.5 Mbps			
St. Vincent de Paul	286 McKellar St.	Strathroy	LAN Rm.	10 Mbps			
Holy Cross Secondary	367 Second St.	Strathroy	Server Rm.	100 Mbps			

FIRM NAME: _____

SIGNATURE: _____

**REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET C - PRICING**

TVDSB - Site Name	Site address	City	Locale	Network speed	PROPOSED SPEED	HARDWARE	EST. COST
ELGIN COUNTY							
Assumption	42 South St. E.	Aylmer	Staff Workroom	10 Mbps			
St. Mary's West Lorne	128 William St.	West Lorne	LAN Rm.	10 Mbps			
CITY OF ST. THOMAS							
Msgr. Morrison	10 South Edgeware Drive	St. Thomas	Mechanical Rm.	10 Mbps			
***St. Gabriel's	16 Parish street	St. Thomas	Storage Rm.	10 Mbps			
St. Joseph's High School	100 Bill Martyn Parkway	St. Thomas	LAN Rm.	100 Mbps			
***St. Raphael's	84 Park Ave.	St. Thomas	LAN Rm.	10 Mbps			
NEW: St. Anne's. Two school being combined into one	84 Park Ave.	St. Thomas	TBD				
CITY OF LONDON							
Blessed Kateri	200 Sunnyside Drive	London	LAN Rm.	10 Mbps			
Blessed Sacrament	1063 Oxford St. E.	London	Storage Rm.	10 Mbps			
Catholic Central High School	450 Dundas St.	London	LAN Rm.	100 Mbps			
Centre for Lifelong Learning	1230 King St.	London	LAN Rm.	10 Mbps			
Holy Cross	18 Elm St.	London	LAN Rm. 1st. Floor	10 Mbps			
Holy Family French Imm.	329 Hudson Drive	London	AV Rm.	10 Mbps			
Holy Rosary	268 Herkimer St	London	Storage Rm.	10 Mbps			
Jean Vanier	1019 Viscount Rd.	London	Library	10 Mbps			
John Paul II High School	1300 Oxford St. E.	London	LAN Rm.	100 Mbps			
Mother Teresa High School	1065 Sunningdale Rd.	London	Server Rm.	1000 Mbps			
Notre Dame	767 Valetta St.	London	LAN Rm. 132	10 Mbps			
Regina Mundi College	5250 Wellington Rd.	London	LAN Rm.	100 Mbps			
St. Anne	1366 Huron St.	London	LAN Rm.	10 Mbps			
St. Anthony	1380 Ernest Ave.	London	LAN Rm.	10 Mbps			
St. Bernadette	155 Tweedsmuir Ave.	London	Secretary Office	10 Mbps			
St. Catherine of Siena	2140 Quarrier Rd.	London	LAN Rm.	10 Mbps			
St. Francis London	690 Osgoode Dr.	London	LAN Rm.	10 Mbps			
St. George	375 Lynden Crescent	London	Storage Rm.	10 Mbps			
St. Joseph Fr. Immersion	449 Hill St.	London	Library Office	10 Mbps			
St. Jude London	690 Viscount Rd.	London	Storage Rm.	10 Mbps			
St. Marguerite D'Youville	170 Hawthorne Rd.	London	LAN Rm. 132	10 Mbps			
St. Mark	1440 Glenora Dr.	London	AV Rm.	10 Mbps			
St. Martin	140 Duchess Ave.	London	Secretary Ofc.	10 Mbps			
St. Mary Choir	347 Lyle St.	London	Staff Work Rm.	10 Mbps			
St. Michael's Woodstock	926 Maitland St.	London	Storage Rm.	10 Mbps			
St. Paul	1090 Guildwood Blvd.	London	AV Rm.	10 Mbps			
St. Pius X	265 Vancouver St.	London	LAN Rm.	10 Mbps			
St. Robert	1958 Duluth Cres.	London	LAN Rm.	10 Mbps			
St. Sebastian	225 Cairn St.	London	VP Office	10 Mbps			
St. Theresa	108 Fairlane Ave.	London	Library Office	10 Mbps			
St. Thomas Aquinas H.S.	1360 Oxford St. W.	London	LAN Rm.	10 Mbps			
St. Thomas More	18 Wychwood Park	London	Rm. 20	10 Mbps			
Sir Arthur Carty	1655 Ernest Ave.	London	LAN Rm.	10 Mbps			
NEW: TBD	West	London	TBD				
NEW: TBD	Hyde Park	London	TBD				
NEW: TBD	Uplands North	London	TBD				
NEW: TBD	Riverbend	London	TBD				

FIRM NAME: _____

SIGNATURE: _____

REQUEST FOR INFORMATION
WIDE AREA NETWORK
WORKSHEET C - PRICING

TVDSB - Site Name	Site address	City	Locale	Network speed	<i>PROPOSED SPEED</i>	<i>HARDWARE</i>	<i>EST. COST</i>

FIRM NAME: _____

SIGNATURE: _____