

December 23, 1999

Carl Watanabe, Deputy Registrar
Bureau of Conveyances
Department of Land and Natural Resources
1151 Punchbowl Street, Room 122
Honolulu, HI 96813

Re: ICS-FY-99-52 Task 12 Additional Hardware Requirements

Dear Mr. Watanabe,

In reference to the above captioned matter, and to follow up after our discussions of December 22, 1999 regarding the additional hardware required for Task 12 – Microfilm Conversion, please find attached the following:

1. Revised Attachment H Task 3 and Task 4 three (3) pages – reflecting additional hardware needed for Task 12
2. Two revised IBM Configuration – the first configuration shows the two (2) node (primary and redundant node), and the second configuration shows the rest of the items including the increased disk (DASD) and upgraded 3995-C68 fully loaded optical juke box. Both configurations show List Price and do not reflect the BOC discount. It is intended to itemize the hardware parts needed for your review only.

The first IBM Configuration, second page under “Hardware Mes/Upgrades” includes both the primary and secondary nodes and must be divided in half to get the Primary and optional Redundant node list prices for both the hardware and maintenance.

The second IBM Configuration, shows a fully loaded Optical Library, along with the added Disk Subsystem rack which includes thirty-two (32) 36.4GB drives to contain the 5 year backfile mirrored on-line disk, for an additional 1.1648 TB. The other 7133-D40 SSA Disk Subsystem is from our original configuration with sixteen (16) 9.1GB drives. This fills up three of the four drawers available in the system disk rack (16 drives per drawer). The Optical Library was upgraded from a model C66 to a C68, and fully loaded with five (5) 52 drive packs (5.2GB per drive), for a total of 1.352TB.

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We envision these items to be installed during Task 3 and Task 4. The estimated hardware cost if purchased directly from IBM, including the 4.166% general excise tax is shown in the Revised Attachment H. The net increase in hardware cost expended during Task 3 is \$132,305.37 and the net increase in hardware cost expended during Task 4 is \$33,986.18. This represents an total hardware cost of \$166,291.55 allocated to Task 12.

I hope the above provides the needed information to plan for Task 12. Please do not hesitate to call me should there be any other questions at 545-1822.

Sincerely,

Nani Lindsey
Manager

enclosures

\$132305.37

if optimal route is
purchased

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Attachment H: Recommended Hardware, Software, and Post Implementation Support by Phase

The following hardware, software, and post implementation support items are required to implement our solution and meet the requirements of the RFP.

The price lists below show the itemized hardware, software, and post implementation prices by phase. Prices include Hawaii State Tax 4.166%.

PROPOSED SOLUTION

PART 1

Phase 1 Task 1: Hardware, Software, and Cabling Material to Implement a Basic BOC Network

Description	Unit Price	Qty	Extended
Network Infrastructure Cabling Materials			
Fiber and Category 5 Data Cables	\$16,244.65	1	\$16,244.65
Total Network Cabling Materials			\$16,244.65
PC Workstations & Printers			
Dell PCs GX1 P3 450MHz mini/512Kb/4MB video, 64MB SDRAM, 6.4Gb, 40X, 3.5", keybd/mouse, 10/100 nic (1 yr. warranty plus 2 year extended NBD service by Wang)			
17" Monitor (bundled)	\$1,461.12	28	\$40,911.36
21" Monitor (bundled)	2,040.14	5	10,200.70
HP Surestore CD-Writer Plus 7200E	334.29	3	1,002.87
Lexmark Optra K 12PPM Laser Printer 1220N Ether.	850.18	3	2,550.54
HP LaserJet 8000 24PPM Printer 1200dpi	2,709.01	3	8,127.03
APC 500Va UPS - BK500M	160.86	33	5,308.38
Total PC Workstations, Printers & Rewritable CD-ROM			\$68,100.88
NT Dual CPU Server Hardware			
IBM Netfinity 5500 M10 Server, PIII 550MHz/512KB Xeon, 128MB ECC (R), Open Bay, 32X, PCI/ISA - 866131Y	\$8,887.46	1	\$8,887.46
IBM Netfinity 400W Hot-Swap Redund Pwr Supply 01K7951	696.83	1	696.83
IBM Netfinity 5500 Tower-to-Rack Kit - 01K8020	486.92	1	486.92
IBM Netfinity 256MB SDRAM ECC RDIMM - 01K8043	972.17	1	972.17
IBM Netfinity 9.1GB, Wide Ultra SCSI/SCA-2 SL hd 01K8053	596.73	6	3,580.38
IBM Netfinity 10/100 Fault Tolerant Adapter (PCI) - 08L3341	125.77	1	125.77
IBM Netfinity 5500 550MHz/512KB PIII Xeon Processor 10L5901	1,834.58	1	1,834.58

Description	Unit Price	Qty	Extended
Phase 1 Task 1 (Continued)			
Netfinity Console Server Selectro Switch (4-port) - 28L0542	988.45	1	988.45
Netfinity Rack Base Model Server - 9306900	2,400.58	1	2,400.58
IBM G54 15" Monitor - 65460AN	276.28	1	276.28
LI3KQX 3KVA UPS	2,209.27	1	2,209.27
Total NT Server Hardware			\$22,458.69
<i>NT Server Software</i>			
Windows NT Server, 25 Licenses - 227-01197	\$1,462.52	2	\$2,925.04
Total Server Software			\$2,925.04
<i>PC Workstations Software</i>			
Attachmate KEA 420 WIN95/NT v5.1	\$162.03	50	\$8,101.50
Total PC Workstation Software			\$8,101.50
<i>Network Hardware</i>			
3 COM 3300 24 Port 10/100 Switch - 3C16980	\$1,924.41	2	\$3,848.82
3 COM 10/100 Dual Speed Hub - 3C16611	970.20	4	3,880.80
3 COM 100 Base FX Extender - 3C16884	507.26	4	2,029.04
3 COM Dual Speed HUB Management Module - 3C16685	664.39	4	2,657.56
3 COM SSII Adv RPS Chassis 8 slot w/out mod - 3C16071	575.78	1	575.78
3 COM SSII 1500 Remote Access - 3C421600	1,436.54	1	1,436.54
LanCast 6348-01 100 M TX/FX Converter - 6348-001	562.87	4	2,251.48
APC 500VA UPS - BK500M	160.86	5	804.30
Total Network Hardware			\$17,484.32
Total Phase 1 Task 1 Hardware, Software & Cabling Materials			\$135,315.08

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Phase 1 Task 3: Hardware & Software Prices for Replacement of the Regular and Land Court Systems (RS/6000 9076 SP)

Description	Unit Price	Qty	Extended
Hardware			
<i>RS/6000 9076 SP Enterprise Server Node</i>			
RS/6000 9076 SP Enterprise Server Node (2051)	\$56,450.26	1	\$56,450.26
7133-D40 SSA Disk Subsystem (Rack-Mounted – (1) drawer of 16 – 9.1GB drives)	37,212.26	1	37,212.26
7014-S00 rack & 7133-D40 SSA Disk Subsystem (Rack-Mounted – (2) drawers each with 16 – 36.4GB drives)	139,799.10	1	139,799.10
Total RS/6000 9076 SP Enterprise Server Hardware			\$233,461.62
<i>RS/6000 9076 SP Redundant Server Node Hardware</i> **OPTIONAL**			
RS/6000 9076 SP Enterprise Server Node (2051)	\$56,450.26	1	\$56,450.26
7133-D40 SSA Disk Subsystem (Rack-Mounted – (1) drawer of 16 – 9.1GB drives)	37,212.26	1	37,212.26
Total RS/6000 9076 SP Optional Redundant Node Hardware	**OPTIONAL**		\$93,662.52
<i>RS/6000 9076 SP BOC Enterprise Server Software</i>			
5765-C64 IBM C for AIX V4.4 – FC 0001 Basic One-time charge	499.37	1	499.37
5692-AIX System Software – FC 1004 CD-ROM Process Charge	52.08	1	52.08
Total RS/6000 9076 SP Enterprise Server Software			\$551.45
<i>RS/6000 9076 SP BOC Redundant Node Software</i> **OPTIONAL**			
5765-C34 AIX Version 4	\$ N/C	1	\$ N/C
5765-C34 FC 4061 AIX 4.3 for (1-2) users	N/C	1	N/C
5765-C34 FC 5005 Preinstall	N/C	1	N/C
5765-C34 FC 9001 Asset Registration	N/C	1	N/C
5692-AIX System Software – FC 1004 CD-ROM Process Charge	52.08	1	52.08
Total RS/6000 9076 SP Optional Redundant Node Software	**OPTIONAL**		\$52.08
<i>DB2 UDB Enterprise Edition includes 2 year Subscription & Support</i>			
DB2 UDB Enterprise Edition V 6.1– D37BFML	6,249.96	4	24,999.84
DB2 UDB Media & Documentation – BB6X4NA, BB6VWML	93.75	1	93.75
DB2 UDB Developer Edition – D0096ML	932.29	2	1,864.58
Total DB2 Software			\$26,958.17
<i>DB2 UDB Enterprise Edition includes 2 year Subscription & Support for Optional Redundant RS/6000 9076 SP Server – NODE USED IN STANDBY CAPACITY ONLY</i>			
Total DB2 Software for Optional Redundant Server	**OPTIONAL**		NC

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Description	Unit Price	Qty	Extended
Phase 1 Task 3 (Continued)			
<i>APPX Software License</i>			
APPX Software license for 50 users, 2 developers w/DB2 interface, including 1 st year software subscription	\$59,775.00	1	\$59,775.00
<i>Barcode Label Printers</i>			
Zebra Desktop T402 Bar Code Thermal Transfer Ptr. & Cables	\$912.84	6	\$5,477.04
Phase 1 Task 3 Price Summary			
Required Hardware and Software			\$326,223.28
Optional Hardware and Software	**OPTIONAL**		93,714.60
Total Phase 1 Task 3 Required and Optional Hardware & Software			\$419,937.87

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**Phase 2 Task 4: Hardware & Software Prices for
Implementing Imaging Capability on the BOC Network
(Optical Jukebox, Scanners, & Microfilm Writer)**

Description	Unit Price	Qty	Extended
Hardware			
<i>Optical Library (Jukebox for BOC Enterprise Server)</i>			
IBM 3995 Optical Library Model C68 with 260 (5.2GB) optical platters for BOC Enterprise Server node (provides 1,352GB capacity)	\$82,613.33	1	\$82,613.33
Total Optical Library (Jukebox for BOC Enterprise Server)			\$82,613.33
Hardware			
<i>Image Scanners</i>			
Kodak Digital Science Scanner 3500D, Duplex - 840-4378	\$19,952.26	2	\$39,904.52
1700s Adrenaline IP Accelerator, 12MB SCSI Full PCI EH-1700-1000	2,702.18	2	5,404.36
Kofax 3500D Scan Cable SC-1024-0000	233.45	2	466.90
Vidar TruScan Select 38" wide Scanner (41" throat) 400dpi 1/2"-1"/sec Adaptive Area Thresholding, install & training -11653	\$10,984.00	1	\$10,984.00
SCSI Card Adapter	260.41	1	260.41
Total Image Scanner Hardware			\$57,020.19
<i>Microfilm Writer</i>			
Kodak Digital Science Archive Writer 4800 including installation (1 year warranty) 870-9248	\$35,567.35	1	\$35,567.35
Digital Science Archive Writer Cassette 66 868-4383	753.75	1	753.75
Digital Science Archive Writer 4800 Training 883-4350	175.00	1	175.00
Digital Science Archive Writer Interface Software 123-9557	4,292.16	1	4,292.16
Kodak Digital Science Document Archive Writer 4800 Pre-installation site accreditation 877-1495	1,022.79	1	1,022.79
Total Microfilm Hardware			\$41,811.05
Software			
<i>Scan and Index Capture software</i>			
Kofax Ascent Capture – Scan 200k per month	\$7,909.09	2	\$15,818.18
Kofax Ascent Capture – Workstation (1 pak)	2,512.48	1	2,512.48
Kofax Ascent Capture – Workstation (3 pak)	7,223.39	1	7,223.39
Total Scan and Index Capture Software			\$25,554.05
<i>Long Term Storage and Retrieval Software includes 2 years subscription with support</i>			
IBM VisualInfo Program Kit for server – D00KBML	\$17,499.89	1	\$17,499.89
IBM VisualInfo Concurrent User – D05T2ML	1,728.11	35	60,483.85
IBM VisualInfo Media Kit – 39L3902	52.08	1	52.08
Total Long Term Storage and Retrieval Software			\$78,035.82
Total Phase 2 Task 4 Imaging Hardware & Software Price			\$285,034.44

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Phase 3 Task 6: Hardware & Software Prices to Enable Remote Access to Text Data

Description	Unit Price	Qty	Extended
Hardware			
<i>PC Workstations for Neighbor Island</i>			
Dell PCs GX1 P3 550MHz mini/512Kb/4MB video, 64MB SDRAM, 6.4GB, 40X, 3.5", keybd/mouse (1 yr warranty plus 2 year extended NBD service by Wang)			
17" Monitor (bundled)	\$1,461.12	5	\$7,305.60
Lexmark Optra K 12PPM 1220 Laser Printer – 11A4006	850.18	5	4,250.90
APC 500VA UPS – BK500M	160.86	5	804.30
Total PC Workstations & Printers			\$12,360.80
<i>PC Workstations Software for Neighbor Islands</i>			
Attachmate KEA 420 WIN95/NT v5.1	\$162.03	5	\$810.15
Total PC Workstation Software for Neighbor Islands			\$810.15
<i>Network Hardware for Neighbor Island</i>			
Cisco 2505 Router/Hub w/power cord US – CISCO2505-CH	\$2,151.40	5	\$10,757.00
Cisco 8M Upgr replace 4M Flash Mem - MEM-4500M-4U8F	323.06	5	1,615.30
V.35 Cable DTE 10 Feet – CAB-V35MT	89.33	7	625.31
3 COM 12 Port PS Hub 40 – 3C16405 (moved from task 1)	500.23	5	2,501.15
Cisco 4500M Router w/power cord US – CISCO4500M-CH	5,634.80	1	5,634.80
Cisco 4 Serial Ports – NP-4T	3,696.43	1	3,696.43
Cisco 2 Ethernet Ports – NP-2E-FDX	2,422.19	1	2,422.19
Kentrox Satellite T1 DSU/CSU 4 wire ~ 01-72651	494.47	6	2,966.82
3 COM Expansion Unit – 3C421670	1,295.86	1	1,295.86
3 COM 4 port modems – 3C426130	937.57	2	1,875.14
3 COM ISDN Modems – 3C421800	868.20	2	1,736.40
BLACK BOX RJ48 100foot Cable	103.32	6	619.92
100 ft. Patch Cable	46.97	6	281.82
APC 500VA UPS – BK500M	160.86	5	804.30
Total Neighbor Island Network Hardware			\$36,832.44
Software			
<i>Network Software</i>			
CISCO IP Plus – SF25CP-11.2.15	\$1,535.97	5	\$7,679.85
CISCO IP Plus 10s Feature Pack – SF45CP-11.3.x	2,023.03	1	2,023.03
Total Network Software			\$9,702.88
TOTAL PHASE 3 TASK 6 HARDWARE & SOFTWARE PRICES TO ENABLE REMOTE ACCESS			\$59,706.27

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Phase 4 Task 8: Hardware & Software Prices to Enable Public Access to Text

Description	Unit Price	Qty	Extended
Hardware			
<i>Web Server</i>			
IBM NetFinity 5500 M10 Server, PIII 550MHz/512KB Xeon, 128MB ECC (R), Open Bay, 32X, PCI/ISA - 866131Y	\$8,887.46	1	\$8,887.46
IBM Netfinity 400W Hot-Swap Redundant Power Supply 11 - 01K7951	683.00	1	683.00
IBM Netfinity 5500 Tower-to-Rack Kit - 01K8020	478.92	1	478.92
IBM Netfinity 256MB SDRAM ECC RDIMM - 01K8043	972.17	1	972.17
IBM Netfinity 9.1GB, Wide Ultra SCSI/SCA-2 SL HDD-01K8053	604.23	3	1,812.69
IBM G54 15" Monitor - 65460AN	276.28	1	276.28
Total Web Server Hardware			\$13,110.52
<i>Firewall Server</i>			
IBM PC300GL 6285 (6x6) 3, PII-450MHz/512KB, 64MB, 6.4GB, 4MB, 32X, NT, PCI/ISA - 628575U	\$1,806.39	1	\$1,806.39
64MB 100MHz NP SDRAM DIMM - 01K1137	117.04	1	117.04
IBM 100/10 EtherJet PCI Adapter - 34L0801	91.70	3	275.10
IBM G54 15" Color Monitor - 65460AN	276.28	1	276.28
Total Firewall Server Hardware			\$2,474.81
<i>Network Hardware</i>			
Cisco 2505 Ethernet Dual Serial Router - CISCO2505	\$2,151.40	1	\$2,151.40
Cisco V.35 DTE Cable - CAB-V35MT	84.33	1	84.33
Kentrox 72651 Satellite T1 CSU/DSU - 01-72651	501.47	2	1,002.94
Total Network Hardware			\$3,238.67
Software			
<i>Web Server Software</i>			
Windows NT Server, 10 Licenses - 227-00189	\$1,021.00	1	\$1,021.00
IBM ContentConnect Web Server includes subscription and support for 2 anniversaries - D18HTML	5,168.72	1	5,168.72
IBM Web Server Database Pack (Lotus Domino)	2,270.82	1	2,270.82
Total Web Server Software for Neighbor Islands			\$8,460.54
<i>EAGLE Firewall Server Software</i>			
Raptor NT 100 user license w/ VPN - 101110516003	\$4,320.61	1	\$4,320.61
Total Firewall Server Software for Neighbor Islands			\$4,320.61
<i>Network Software</i>			
Cisco 2505 Router IP Software - SF25CP-11.3.X	\$1,515.97	1	\$1,515.97
Total Network Software for Neighbor Islands			\$1,515.97
Total Phase 4 Task 8 Hardware and Software prices to Enable Public Access			\$33,121.12

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Phase 1 Task 1: Post Warranty Hardware & Software Maintenance Prices - Annual

Description	Unit Price	Qty	Extended
Post Warranty Hardware Maintenance			
<i>PC Workstations & Printers</i>			
Dell PCs GX1 P3 450MHz		33	3 Yr. Warranty
17" Monitor		28	3 Yr. Warranty
21" Monitor		5	3 Yr. Warranty
Lexmark Optra K 12PPM Laser Printer	\$280.21	3	\$840.63
HP LaserJet 8000 24PPM Printer 1200dpi	677.08	3	2,031.24
Total Workstation & Printer Maintenance			\$2,871.87
<i>NT Dual CPU Server</i>			
IBM NetFinity 5500 M10 Server, 550MHz/512KB Xeon, 128MB ECC (R), Open Bay, 32X, PCI/ISA - 866131Y		1	3 Yr. Warranty
IBM Netfinity 400W Hot-Swap Redundant Power Supply 11 - 01K7951		1	3 Yr. Warranty
IBM Netfinity 5500 Tower-to-Rack Kit - 01K8020		1	3 Yr. Warranty
IBM Netfinity 256MB SDRAM ECC RDIMM - 01K8043		1	3 Yr. Warranty
IBM Netfinity 9.1GB, Wide Ultra SCSI/SCA-2 SL HDD- 01K8053		6	3 Yr. Warranty
IBM Netfinity 10/100 Fault Tolerant Adapter (PCI) - 08L3341		1	3 Yr. Warranty
IBM Netfinity 5500 550MHz/512KB P11 Xeon Processor - 10L5901		1	3 Yr. Warranty
Netfinity Console Server Selectro Switch (4-port) - 28L0542		1	3 Yr. Warranty
Netfinity Rack - 9306900		1	3 Yr. Warranty
IBM G54 15" Monitor - 65460AN		1	3 Yr. Warranty
Total NT Server Hardware Maintenance			3 Yr. Warranty
<i>PC Workstations Software</i>			
NetManage OnNet Host TCP/IP - ONH-210-50	\$26.72	50	\$1,336.00
Total Phase 1 Task 1 Software Subscription Support Price			\$1,336.00
<i>Network Annual Maintenance</i>			
3 COM SSII 3300 24 Port 10/100 Switch - 3C16980	\$665.39	2	\$1,330.78
3 COM 10/100 Dual Speed Hub - 3C16611	257.67	2	515.34
3 COM 100 Base FX Extender - 3C16884	97.77	2	195.54
3 COM Management Module - 3C16685	128.34	2	256.68
3 COM SSII 1500 Remote Access	68.11	2	136.22
3 COM Redundant Power Supply - 3C16070	203.37	1	203.37
3 COM 16 Port Modem Pool - 000939	759.79	1	759.79
LanCast 6348-01 100 M TX/FX Converter - 6348-001	135.42	4	541.68
APC 500VA UPS - BK500M		5	5 Yr. Warranty
Total Network Hardware Maintenance			\$3,939.40
Total Phase 1 Task 1 Post Warranty Hardware and Software Maintenance/Support Prices	1ST Year		\$8,147.27
	2nd Year		\$8,147.27
	3rd Year		\$8,147.27

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Phase 1 Task 3: Post Warranty Hardware and Software Maintenance/Support Prices - Annual

Description	Unit Price	Qty	Extended
Post Warranty Hardware Maintenance			
<i>RS/6000 9076 SP Enterprise Server Node (1 Year Warranty)</i>			
RS/6000 9076 SP Enterprise Server Node (2051)	\$432.29	12	\$5,187.48
7133-D40 SSA Disk Subsystem (Rack-Mounted – (1) drawer of 16 – 9.1GB drives)	166.67	12	2,000.04
7014-S00 rack & 7133-D40 SSA Disk Subsystem (Rack-Mounted – (2) drawers each with 16 – 36.4GB drives)	362.50	12	4,350.00
Total RS/6000 9076 SP Enterprise Server Annual Hardware Maintenance for Year 2 & 3			\$11,537.52
<i>RS/6000 9076 SP Redundant Server Node Hardware (1 Year Warranty) **OPTIONAL**</i>			
RS/6000 9076 SP Enterprise Server Node (2051)	\$432.29	12	\$5,187.48
7133-D40 SSA Disk Subsystem (Rack-Mounted – (1) drawer of 16 – 9.1GB drives)	166.67	12	2,000.04
Total RS/6000 9076 SP Optional Redundant Server Hardware Maintenance for Year 2 & 3	**OPTIONAL**		\$7,187.52
Post Implementation Software Support			
<i>System Software Support</i>			
Designated caller per anniversary for VisualInfo & DB2 UDB	2,498.94	2	4,997.88
TOTAL PHASE 1 TASK 3 POST IMPLEMENTATION SYSTEM SOFTWARE SUPPORT PRICE FOR YEAR 1, 2 & 3			\$4,997.88
<i>APPX Software</i>			
APPX Software Subscription Service for Year 2 & 3	\$7,680.00	1	\$7,680.00
Total APPX Software Post Implementation Subscription Service for Year 2 & 3			\$7,680.00
<i>System Software Subscription/Support after 2nd anniversary</i>			
DB2 UDB Enterprise Edition, Software Subscription Renewal (Per Year after end of 2 nd anniversary) – E17BJML	1,999.99	4	7,999.96
DB2 UDB Developer Edition, Software Subscription Renewal per year after 2 nd anniversary – E03EFML	133.33	2	266.66
Total Phase 1 Task 3 Post Implementation Software Subscription/Support Renewal Price after 2nd anniversary			\$8,266.62
<i>Post Implementation Education</i>			
CF211 – DB2 UDB Database Administrator Workshop for UNIX	1,244.78	2	2,489.56
CF411 – DB2 UDB Performance Tuning/Monitoring Workshop	2,083.32	2	4,166.64
CF101 – DB2 Universal Database Programming Fundamentals	755.20	2	1,510.40
APPX System Admin. Training (5 people for ½ day class)	450.00	1	450.00
Total Post Implementation Education Price			\$8,616.60

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Description	Unit Price	Qty	Extended
Phase 1 Task 3 (Continued)			
Total Phase 1 Task 3 Hardware and Software Maintenance/support Prices (by year)	1 st Year REQUIRED		\$13,614.48
	**OPTIONAL		0.00
	Total		\$13,614.48
	2 nd Year REQUIRED		\$24,215.40
	**OPTIONAL		7,187.52
	Total		\$31,402.92
	3 rd Year REQUIRED		\$32,482.02
	**OPTIONAL		7,187.52
	Total		\$39,669.54

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Phase 2 Task 4: Post Warranty Hardware and Software Maintenance/Support Prices - Annual

Description	Unit Price	Qty	Extended
Hardware Maintenance			
<i>Optical Library (Jukebox for BOC Enterprise Server)</i>			
IBM 3995 Optical Library C68 (Monthly) – 1 Year Warranty	\$440.94	12	\$5,291.28
TOTAL OPTICAL LIBRARY (JUKEBOX FOR BOC ENTERPRISE SERVER) ANNUAL HARDWARE MAINTENANCE FOR YEAR 2 & 3			\$5,291.28
<i>Image Scanners</i>			
Kodak Digital Science Scanner 3500D, Duplex (90 day warranty) 1 st year at \$1,275.00, 2 nd year at \$2,975.00, 3 rd year at \$4,675.00 (note: Kodak charges \$260.00 per hour if out of warranty)	Year 1		\$2,550.00
	Year 2	2	5,950.00
	Year 3		9,350.00
Kofax 1700V Adrenaline Card 1 st year at \$430.00, 2 nd year at \$580.00, 3 rd year at \$580.00	Year 1		\$860.00
	Year 2	2	1,160.00
	Year 3		1,160.00
Vidar TruScan Select 38" wide Scanner (90 day warranty) For Year 1, 2 & 3	1,250.00	1	1,250.00
Total Image Scanner Hardware Maintenance			Year 1 Year 2 Year 3 \$4,660.00 8,360.00 11,760.00
<i>Microfilm Writer</i>			
Kodak 4800 Microfilm Writer (1 Year Warranty)	Year 1		\$3,675.00
	Year 2	1	8,575.00
	Year 3		13,475.00
Total Microfilm Writer Hardware Maintenance			Year 1 Year 2 Year 3 \$3,675.00 8,575.00 13,475.00
Total Phase 2 Task 4 Post Warranty Hardware Maintenance Price			Year 1 Year 2 Year 3 \$13,263.04 21,863.04 30,163.04
Post Implementation Software Support			
<i>System Software Subscription Support</i>			
Kofax Ascent Capture – Covers all Products (Annual)	\$1,037.00	1	\$1,037.00
<i>Due at the end of the 2nd anniversary</i>			
IBM VisualInfo one year renewals due at the end of the 2 nd anniversary – E055GML	3,124.98	1	3,124.98
IBM VisualInfo concurrent user one year renewal due at the end of the 2 nd anniversary – E05F3ML	242.71	35	8,494.85
Total Phase 2 Task 4 Post Implementation Software Subscription Support Price			1st Year 2nd Year 3rd Year \$1,037.00 \$1,037.00 \$12,656.83
TOTAL PHASE 2 TASK 4 HARDWARE AND SOFTWARE MAINTENANCE/SUPPORT PRICES			1st Year 2nd Year 3rd Year \$14,300.04 22,900.04 42,819.87

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Phase 3 Task 6: Post Warranty Hardware and Software Maintenance/Support - Annual

Description	Unit Price	Qty	Extended
Hardware Maintenance (Annual)			
<i>PC Workstations & Printers for Neighbor Island</i>			
Dell PCs GX1 P3 450MHz mini/512Kb/4MB video, 64MB SDRAM, 6.4GB, 40X, 3.5", keybd/mouse (1 yr warranty plus 2 year extended NBD service by Wang)		5	3 Yr. Warranty
17" Monitor (bundled)		5	3 Yr. Warranty
Lexmark Optra K 12PPM Laser Printer 11A4006	\$280.21	5	\$1,401.05
Total PC Workstations & Printer Maintenance			\$1,401.05
<i>Network Hardware for Neighbor Island Annual Maintenance</i>			
Cisco 2505 Router/Hub- CISCO2505	\$312.50	5	\$1,562.50
Cisco 4500M Router - CISCO4500M	1,283.41	1	1,283.41
APC 500VA UPS - BK500M		5	5 Yr. Warranty
Kentrox 72651 Satellite T1 DSU/CSU 4 wire	364.58	6	2,187.48
Total Neighbor Island Network Hardware Maintenance			\$5,033.39
Software			
<i>PC Workstations Software for Neighbor Island</i>			
NetManage OnNet Host TCP/IP - ONH-210-50	\$26.71	5	\$133.55
Total PC Workstation Software Subscription Support			\$133.55
TOTAL PHASE 3 TASK 6 POST WARRANTY HARDWARE & SOFTWARE MAINTENANCE/SUPPORT PRICES TO ENABLE REMOTE ACCESS	1ST Year		\$6,567.99
	2nd Year		\$6,567.99
	3rd Year		\$6,567.99

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Phase 4 Task 8: Post Warranty Hardware and Software Maintenance/Support - Annual

Description	Unit Price	Qty	Extended
Hardware Maintenance (Annual)			
<i>Web Server</i>			
IBM NetFinity 5500 M10 Server, 550MHz/512KB Xeon, 128MB ECC (R), Open Bay, 32X, PCI/ISA – 866131Y		1	3 Yr. Warranty
IBM Netfinity 400W Hot-Swap Redundant Power Supply 11 – 01K7951		1	3 Yr. Warranty
IBM Netfinity 5500 Tower-to-Rack Kit – 01K8020		1	3 Yr. Warranty
IBM Netfinity 256MB SDRAM ECC RDIMM – 01K8043		1	3 Yr. Warranty
IBM Netfinity 9.1GB, Wide Ultra SCSI/CA-2 SL HDD– 01K8053		3	3 Yr. Warranty
IBM Nifinity 5500 550MHz/512KB P11 Xeon Processor – 10L5901		1	3 Yr. Warranty
IBM G54 15" Monitor – 65460AN		1	3 Yr. Warranty
Total Web Server Hardware Maintenance			3 Yr. Warranty
<i>Firewall Server</i>			
IBM PC300GL 6285 (6x6) 3, PII-450MHz/512KB, 64MB, 6.4GB, 4MB, 32X, NT, PCI/ISA – 628575U		1	3 Yr. Warranty
64MB 100MHz NP SDRAM DIMM – 01K1137		1	3 Yr. Warranty
IBM 100/10 EtherJet PCI Adapter – 34L0801		3	3 Yr. Warranty
IBM G54 15" Color Monitor – 65460AN		1	3 Yr. Warranty
Total Firewall Server Hardware Maintenance			3 Yr. Warranty
<i>Network Hardware</i>			
Cisco 2505 Router – CISCO2505	\$312.50	1	\$312.50
Kentrox 72651 Satellite T1 DSU/CSU	364.58	2	729.16
Total Network Hardware Maintenance			\$1,041.66
Total Phase 4 Task 8 Hardware Maintenance Price			\$1,041.66
Software			
<i>System Software Support</i>			
IBM ContentConnect Support one year renewal due at the end of the 2 nd anniversary – E07USML	\$1,131.24	1	\$1,131.24
IBM Web Server Database Pack (Lotus Domino) (Annual)	2,078.11	1	2,078.11
Total Phase 4 Task 8 System Software Support Price			\$3,209.35
<i>System Software Subscription Service</i>			
Raptor NT 100 user license w/ VPN - 101110516003	\$1,015.62	1	\$1,015.62
Total Phase 4 Task 8 Software Subscription Service			\$1,015.62
Total Phase 4 Task 8 Software Support and Subscription Service		1st Year	\$3,093.73
		2nd Year	\$3,093.73
		3rd Year	\$4,224.97
TOTAL PHASE 4 TASK 8 HARDWARE AND SOFTWARE MAINT./SUPPORT PRICES TO ENABLE PUBLIC ACCESS		1st Year	\$4,135.39
		2nd Year	\$4,135.39
		3rd Year	\$5,266.63

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The Lange Group

Software Systems Analysis & Telecommunications Consulting

December 14, 1999

Carl Watanabe, Deputy Registrar
Bureau of Conveyances
Department of Land and Natural Resources
1151 Punchbowl Street, Room 122
Honolulu, HI 96813

Re: ICS-FY-99-52 Task Milestones & Other Clarifications

Dear Mr. Watanabe,

In reference to the above captioned matter, and to follow-up after our initial discussions of December 8, 1999, we understand that the initial contract will cover only a portion of the Award, namely Task 1-5, 7 and 10 for a total of \$1,291,880.05. We understand that the balance of the Award will be contracted for completion in the year 2000, with the exception of Task 11, GIS Requirements Study, which may extend into year 2001. Because prices and availability of the "commodity" items listed in Attachment H change quite rapidly, and not within our control, we agree that where possible, the BOC should try to purchase these items directly from suppliers to obtain the greatest value.

We would like to clarify and provide the following items for your consideration:

1. Payment Milestones Schedule (see Attachment "A") – represents the cost by task along with the anticipated payment milestone schedule reflecting the deliverable item and estimated delivery date. Our detailed project schedule will be provided in Task 2 after notice to proceed.
2. Liquidated Damages – we would like to request that the per day amount be \$100.00. This amount would provide for allowances, other than change orders, should flexibility in the deliverable schedule be justified. This amount has been found in other State of Hawaii contracts. A higher amount would require a re-evaluation of the risk factors, which would take time and could increase our total cost.
3. APPX Software, Inc. Addendum – Attachment "B" is the APPX Subcontract Addendum which needs to be signed by a responsible party. It is required for installation and has been executed by other State of Hawaii agencies where SPEED II and APPX are used. It allows for defect-related warranties and states terms of use.

*Given to
Wayne
12/15*

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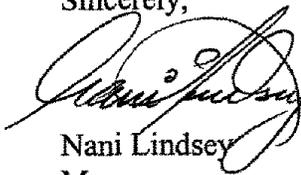
Mr. Carl Watanabe
December 14, 1999
Page 2

4. Vendor Purchases of Attachment H products – as per our discussion, we agree that the BOC should purchase directly from third party vendors where possible. We would like to request that on the “Notice To Proceed”, a proviso be included to instruct us to do this, including purchasing of the critical IBM hardware and software products directly from IBM. This will insure the higher level of discounts to the BOC and eliminate any middleman fee markups. In this case, the BOC would issue a P.O directly to these vendors including IBM, for those “commodity” products. Also, any additional hardware needed at this time for Task 12 (PART 2), which we declined to bid on, can be purchased.
5. Task 7b, Backfile Microfilm Integration - we will work together with the BOC and the successful PART 2, Task 12 Microfilm Conversion (10 years backfile) vendor, to insure that the index data and images can be imported correctly, by providing the import software program(s) and training needed to perform the import reliably. The transfer of the raw data to the BCIS, and the actual importing of the data and images, is not provided for, and is up to the BOC to perform. Based on our initial discussion, suggested hardware configuration, software and installation cost alternatives will be provided to the BOC, for Task 12 budgetary purposes. More information is needed before purchases are made.

I speak for our entire team when I say that we are very pleased to have the honor of your favor in awarding this contract. We are proud to have gained your confidence. It remains my duty and I will insure that the BOC is well served. We are all looking forward to this new and exciting project. Should there be any questions, please do not hesitate to call me at 545-1822.

Happy Holidays!

Sincerely,



Nani Lindsey
Manager

Attachments

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