

# Request For Proposal

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March 2011



## **REQUEST FOR PROPOSAL**

IBM System i Upgrade

**March 2011**

**Any questions pertaining to this proposal shall be directed to Gary A. Wine, Director of Information Technology at 304-267-5113 or may be submitted via email:**

**[as400bid@berkeleywv.org](mailto:as400bid@berkeleywv.org)**



# Request For Proposal

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## March 2011

The County Council of Berkeley County, West Virginia (herein referred to as the “County Council” or “Council”) is requesting Qualification and Experience/Technical Proposals and Price Proposals from interested parties to upgrade the existing IBM iSeries 9406-520 and migrate ALL applications and data.

The County Council (or its designated representatives) will be evaluating submissions to this request and will ultimately select a firm judged to be both responsible and responsive to the request in every way, including having offered the most beneficial, appropriate price proposals. The County Council reserves the right to interview some or all prospective firms to discuss qualifications & Experience/Technical Proposals as well as Price Proposals. The format for submittals, information regarding the scope of work, and selection criteria used by the County Council is available from the County Council Office, 400 W. Stephen Street, Suite 201, Martinsburg, WV 25410. Inquiries should be directed to Gary A. Wine, Director of Information Technology at (304) 267-5113.

Proposals should be labeled “**RFP System i Upgrade**”. Proposals must be submitted and time-stamped into the County Council Office, Room 201, 400 W. Stephen Street, Martinsburg, WV, 25401 **no later than 4:00 p.m. on Wednesday, April 13, 2011.** Failure to provide the required information as requested in the RFP for Berkeley County’s review may result in disqualification of that firm/company.

Proposals will be opened and entered into public record at 11:00 AM on **Thursday, April 14, 2011** in the County Council Meeting Room, 400 W. Stephen Street, Room 205, Martinsburg, WV, 25401.

Berkeley County reserves the right to accept or reject any or all proposals, to waive technicalities, and to take whatever action is in the best interest of the Berkeley County Council.



## **I. INTRODUCTION:**

Proposals are being requested for the upgrade of the existing IBM 9406-520 to current production IBM technology. All materials submitted shall become part of the proposal.

## **II. BACKGROUND:**

Berkeley County currently utilizes the 9406-520 Serial# S10F972B to support 5 departments throughout the organization. Successful Vendor will be responsible for migrating all devices and data from the existing hardware to the equipment.

## **III. SCOPE OF REQUIRED SERVICES:**

### **A. Minimum hardware specifications are as follows:**

- a. Power 720 4-core (P05)
  - i. 1 processor activated
- b. 16GB Memory
- c. Internal 800GB/1.6TB LTO4 Tape Drive
- d. Minimum 1.42TB Usable Disk Storage w/RAID 5
  - i. Minimum 10k SAS HDD
- e. Minimum (2) Gigabit Ethernet Ports

### **B. Minimum Software requirements**

- a. Minimum Operating System Version 6.1
- b. **ALL** software currently installed on the iSeries shall be migrated to the new equipment. Successful vendor **must** note any compatibility issues.
- c. The Current system is a P20 model. Berkeley County wishes to maintain Entitlement to the higher level of software.

### **C. UPS – Successful vendor shall supply a compatible UPS**

### **D. Hardware & Software maintenance.**

- a. 3 year Onsite 24x7 Hardware maintenance
- b. 3 year software maintenance and support

### **E. Miscellaneous Equipment:**

- a. (15) LTO4 800/1.6Tb LTO4 Tape cartridges
- b. (2) Cleaning Cartridges

### **F. Labor Costs:**

- a. Vendor shall provide all labor costs for the migration, installation and configuration of all software and equipment for the project.
- b. Vendor **MUST** separate travel and expenses for professional service charges.

### **G. Firm Principals and Background**

1. Submit the names, titles, and resumes of the "principal" staff member(s) who will be responsible for the service during the performance of the contract. Please

assure that the information provided includes specialized experience and technical competence in providing relevant services to similar sized organizations during the past ten (10) years.

2. Describe in depth the operations team available to the "principal" staff member(s). Include an organizational chart of manpower, titles, qualifications, roles in contract performance, and availability for telephone consultations and on-site meetings.
3. Provide a list of at least three (3) but no more than five (5) equivalent technology projects that the firm has successfully administered over the last ten years. This information must include the business name, contact person, address, email address, and phone number.

H. All technical proposals should include any conclusions, remarks and/or supplemental information that is pertinent to this request. Submitters are also required to provide written information regarding their inability to conform to any of the technical requirements listed above. Failure to do so will result in disqualification of proposal.

**VI. TERM OF CONTRACT:**

- A. Vendor **must** submit a complete timeline for the project.

**VII. USE OF EXISTING SOFTWARE:**

Berkeley County will cooperate to the fullest extent by making available to the Firm/Company all processes and software pertinent to this project for review.

**VIII. PAYMENT SCHEDULE:**

All Vendors **MUST** provide their expectations with regard to payment schedule for the project. All Vendors **MUST** provide total purchase price and a **3 year finance option**.

**X. SELECTION PROCESS:**

- A. This solicitation is issued pursuant to the implementation of Berkeley County's Purchasing Policy. Berkeley County shall not be liable for any costs not included in the proposal, not contracted for subsequently, or in regard to preparation of your proposal.
- B. It is the County Council's intent to open and review each firm's Qualifications & Experience/ Technical Proposal to determine a firm's qualifications, experience and technical approach to the services. If it is determined that a firm's Qualifications & Experience/Technical Proposal is acceptable, then price will be considered.
- C. Since it is the County Council's desire to select the most qualified firm, we reserve the right to schedule oral presentations from those firms it deems most qualified, to take place within ten (10) business days following notification.
- D. Selection criteria to be used are:

1. Responsiveness to the scope of work and these instructions;
2. Past performance of the firm including timely completion of services, compliance with scope of work performed within budgetary constraints, and user satisfaction;
3. Specialized experience and technical competence in performing relevant services in the past ten (10) years, including qualifications of staff members who will be involved in these services;
4. Oral presentations, if required;
5. Composition of the principals and staff assigned to provide these services, particularly the proposed manager and immediate staff, and their qualifications and experience with services such as that being proposed;
6. Adequacy of the personnel of the firm to accomplish the proposed scope of work in the required time;
7. Firm's capacity to perform the work, giving consideration to current workloads;
8. Firm's familiarity with problems applicable to this type of services;
9. References from previous clients, including size and scope of the services, name and telephone number of contact person.
10. Price Proposal.

**XI. PROPOSALS AND AWARD SCHEDULE:**

- A. Proposals received prior to the deadline will be treated as confidential, until receipt of all proposals and opening of the same. Proposals received after the deadline will not be considered in the evaluation process and will be returned unopened.
- B. Proposals must give the full name and address of the proposer and the person signing the proposal shall indicate his or her title and/or authority to bind the firm in a contract.
- C. Proposals may not be altered or amended after they are opened.
- D. The approval or disapproval of the Company's Proposal will be determined by its response to this request and on past performance. No assumptions should be made on the part of the Firm/Company as to this Committee's prior knowledge of their abilities.
- E. Berkeley County reserves the right to request clarification of information submitted and to request additional information of one or more applicants.

**XII. TERMS AND CONDITIONS:**

- A. The County Council reserves the right to reject any or all proposals or to award the contract to the next recommended Company if the successful Company fails to execute an agreement within ten (10) calendar days after being notified of the award of this

- proposal.
- B. Berkeley County reserves the right to request clarification of information submitted and to request additional information of one or more applicants.
  - C. Any proposal may be withdrawn up until the date and time set within this RFP for the opening of the proposals. Any proposal not so withdrawn will constitute an irrevocable offer, for a period of ninety (90) calendar days, to sell to Berkeley County the services set forth above, in the manner and at the costs set forth.
  - D. The selected Company shall be required to enter into a contract agreement with the County Council. Any agreement or contract resulting from the acceptance of the proposal shall be made on forms approved by the Berkeley County In-House Legal Director and shall contain, at a minimum, applicable provisions of this request for proposal. The County Council reserves the right to reject any agreement that does not conform to this request for proposal and any Berkeley County requirements for agreements or contracts.
  - E. Selected Firm/Company shall not assign any interest in the contract and shall not transfer any interest in the same without prior written consent of the Berkeley County Council.
  - F. No reports, information or data given to or prepared by the Firm/Company under this agreement shall be made available to any individual or organization by the Firm/Company without the prior written approval of the Berkeley County Council.
  - G. Firms/Companies shall give specific attention to the identification of those portions of their proposals that they deem to be confidential, proprietary information or trade secrets and provide any justification why such materials, upon request, should not be disclosed by the County Council under the West Virginia Freedom of Information Act.
  - H. Berkeley County shall not be liable for any costs incurred by the Firm/Company in regard to preparation of its proposal.
  - I. Berkeley County reserves the right to request interviews.
  - J. The County Council reserves the right to reject any and/or all proposals, to waive technicalities, and to take whatever action is in the best interest of the County.
  - K. Berkeley County reserves the right to not hold discussions after award of the contract.
  - L. By submitting a proposal, the Firm/Company agrees that it is satisfied, as a result of its own investigations of the conditions set forth in this request, and that it fully understands the obligations set forth therein.
  - M. The Firm/Company shall abide by and comply with the true intent of the RFP and its Scope of Work and shall not take advantage of any unintentional error, ambiguity or omission, but shall fully complete every part as contemplated by the true intent and meaning of the scope of services described herein. Clarifications may be requested and dealt with at the Pre-Proposal Conference.
  - N. The Firm/Company hereby represents and warrants:

1. That it is now, or will be by the time its Proposal is opened, qualified to do business in the State of West Virginia and that it will take such action as, from time to time hereafter, may be necessary to remain so qualified;
  2. That it is not in arrears with respect to the payment of any monies due and owing the State, or any department or agency thereof, including, but not limited to, the payment of taxes and employee benefits, and that it shall not fall into arrears during the term of the contract; that it shall comply with all federal, State, and local laws, ordinances, and legally enforceable rules and regulations applicable to its activities and obligations under the contract;
  3. That it shall procure, at its expense, all licenses, permits, insurance, and governmental approvals, if any, necessary to the performance of its obligations under the contract;
  4. That the facts and matters set forth hereafter in the contract and made a part hereof are true and correct.
- O. In addition to any other remedy available to Berkeley County, breach of any of the services contracted herein shall, at the election of the County Council, be grounds for termination. Failure of the County Council to terminate the contract shall not be considered or construed as either a waiver of such breach or as a waiver of any rights or remedies granted or available to Berkeley County.
- P. HOLD HARMLESS/INDEMNIFICATION: If a contract is awarded, the successful Firm/Company will be required to indemnify and hold Berkeley County, its agents and/or employees harmless from and against all liability and expenses, including attorney's fees, howsoever arising or incurred, alleging damage to property or injury to, or death of, any person arising out of or attributable to the Firm's/Company's performance of the contract awarded. Any property or work to be provided by the Firm/Company under this contract will remain at the Firm's/Company's risk until written acceptance by the County Council; and the Firm/Company will replace, at Firm's/Company's expense, all property or work damaged or destroyed by any cause whatsoever.
- Q. Termination for Convenience: Berkeley County may terminate this or any contract, in whole or in part, whenever the County Council determines that such termination is in the best interest of the County, without showing cause, upon giving 30 days written notice to the Firm/Company. Berkeley County shall pay all reasonable costs incurred by the Firm/Company up to the date of termination. However, in no event shall the Firm/Company be paid any amount that exceeds the price proposed for the work performed. The Firm/Company will not be reimbursed for any profits which may have been anticipated but which have not been earned up to the date of termination.

Termination for Default: When the Firm/Company has not performed or has unsatisfactorily performed the contract, Berkeley County may terminate the contract for default. Upon termination for default, payment may be withheld at the discretion of the County Council. Failure on the part of a Firm/Company to fulfill the contractual obligations shall be considered just cause for termination of the contract. The Firm/Company will be paid for services satisfactorily rendered prior to termination less

any excess costs incurred by Berkeley County in re-procuring and completing the work.

- R. The contractual obligation of Berkeley County under this contract is contingent upon the availability of appropriated funds from which payment for this contract can be made.
- S. INTERPRETATION: The contract resulting from this proposal shall be construed under the laws of the State of West Virginia.

**XIII. INTERPRETATIONS, DISCREPANCIES, OMISSIONS:**

Should any Firm/Company find discrepancies in, or omissions from, the documents or be in doubt of their meaning, they should at once request in writing an interpretation from the County Council. All necessary interpretations will be issued to all Firms/Companies in the form of addenda to the specifications, and such addenda shall become part of the contract documents. Failure of any Firm/Company to receive any such addendum or interpretation shall not relieve such Firm/Consultant from any obligation under their proposal as submitted. Berkeley County will assume no responsibility for oral instructions or suggestions. **ORAL ANSWERS SHALL NOT BE BINDING ON BERKELEY COUNTY.** No requests received after **4:00 p.m., April 13, 2011** will be considered. Every interpretation made by Berkeley County will be made in the form of an addendum that, if issued, will be sent by Berkeley County to all interested parties.

Display Installed Licensed Programs

System: S10F972B

<b>Licensed</b>	<b>Installed</b>		<b>Description</b>
<b>Program</b>	<b>Release</b>		
5722SS1	V5R3M0	L00	OS/400 - Library QGPL
5722SS1	V5R3M0	L00	OS/400 - Library QUSRSYS
5722SS1	V5R3M0	L00	Operating System/400
5722SS1	V5R3M0		OS/400 - Extended Base Support
5722SS1	V5R3M0		OS/400 - Online Information
5722SS1	V5R3M0		OS/400 - Extended Base Directory Support
5722SS1	V5R3M0		OS/400 - System/36 Environment
5722SS1	V5R3M0		OS/400 - AFP Compatibility Fonts
5722SS1	V5R3M0		OS/400 - Host Servers
5722SS1	V5R3M0		OS/400 - Qshell
5722SS1	V5R3M0		OS/400 - Domain Name System
5722SS1	V5R3M0		OS/400 - Portable App Solutions Environment
5722SS1	V5R3M0		OS/400 - Digital Certificate Manager
5722SS1	V5R3M0		OS/400 - PSF/400 1-45 IPM Printer Support

More...

Press Enter to continue.

F3=Exit    F11=Display option    F12=Cancel    F19=Display trademarks

Already at top of area.

Display Installed Licensed Programs

System: S10F972B

Licensed Program	Installed Release	Description
5722AF1	V5R2M0	AFP Utilities
5722DG1	V5R3M0	IBM HTTP Server
5722DG1	V5R3M0	Triggered Cache Manager
5722IWE	V5R1M0	WebSphere Application Server - Express
5722IWE	V5R1M0	IBM WebSphere Application Server Express V5
5722IWE	V5R1M0	IBM Telephone Directory
5722JC1	V5R3M0	Toolbox for Java
5722JV1	V5R3M0	Developer Kit for Java
5722JV1	V5R3M0	Java Developer Kit 1.3
5722PT1	V5R3M0	Performance Tools
5722PT1	V5R3M0	Performance Tools - Manager Feature
5722QU1	V5R3M0	Query
5722ST1	V5R3M0	DB2 Query Mgr and SQL DevKit
5722TC1	V5R3M0	TCP/IP Utilities

More...

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<b>Licensed</b>	<b>Installed</b>	<b>Description</b>
<b>Program</b>	<b>Release</b>	
5722WDS	V5R3M0	WebSphere Development Studio for iSeries
5722WDS	V5R3M0	iSeries Tools - Application Development
5722WDS	V5R3M0	ILE RPG
5722WDS	V5R3M0	System/36 Compatible RPG II
5722WDS	V5R3M0	System/38 Compatible RPG III
5722WDS	V5R3M0	RPG/400
5722WDS	V5R3M0	ILE RPG *PRV Compiler
5722WDS	V5R3M0	ILE COBOL
5722WDS	V5R3M0	System/36 Compatible COBOL
5722WDS	V5R3M0	System/38 Compatible COBOL
5722WDS	V5R3M0	OPM COBOL
5722WDS	V5R3M0	ILE COBOL *PRV Compiler
5722WDS	V5R3M0	ILE C
5722WDS	V5R3M0	ILE C++

More...

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**Display Installed Licensed Programs**

System: S10F972B

<b>Licensed Program</b>	<b>Installed Release</b>	<b>Description</b>
5722WDS	V5R2M0	Compiler - ILE C *PRV
5722WDS	V5R2M0	Compiler - ILE C++ *PRV
5722WDS	V5R2M0	IBM Open Class - source and samples
5722WDS	V5R3M0	WebSphere Dev Studio Client - Server Support
5722WSV	V5R3M0	IBM Integration for Windows Server
5722WSV	V5R3M0	Integration for Windows 2000 and 2003
5722XE1	V5R3M0	iSeries Access for Windows
5722XH2	V5R3M0	iSeries Access for Web
5722XW1	V5R3M0	iSeries Access Family
5722XW1	V5R3M0	iSeries Access Enablement Support
1TMELCF	V4R1M0	Tivoli Management Agent

**Bottom**

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SYSTEM TYPE / MODEL / FEATURE	CODE / SERIAL	NUMBER / REL SERIAL	EASE : 9406 RESOURCE	/ 520 / 7736 PART	/ 10-F972B / V5R3M5 LOCATION
DESCRIPTION	TYPE-MODEL	NUMBER	NAME	NUMBER	LOCATION
SYSTEM	9406-520	10-F972B	CEC01		U9406.520.10F972B
SYSTEM UNIT	787F-001	DN-ZOKF9	CEC01		U787F.001.DNZOKF9
SYSTEM BUS		8330 0F-6068019	LB01	39J4240	U787F.001.DNZOKF9
SYSTEM BUS		8330 0F-6068019	LB09	39J4240	U787F.001.DNZOKF9
SYSTEM BUS		8330 0F-6068019	LB07	39J4240	U787F.001.DNZOKF9
SYSTEM BUS		8330 0F-6068019	LB08	39J4240	U787F.001.DNZOKF9
ACTIVE BACKPLANE		8330 0F-6068019	BP02	39J4240	U787F.001.DNZOKF9-P1
HSL I/O BRIDGE		8330 0F-6068019	BC04	39J4240	U787F.001.DNZOKF9-P1
BUS EXPANSION ADAPTER		8330 0F-6068019	BCC02	39J4240	U787F.001.DNZOKF9-P1
MULTI-ADAPTER BRIDGE		8330 0F-6068019	PCI09D	39J4240	U787F.001.DNZOKF9-P1
BUS EXPANSION ADAPTER		8330 0F-6068019	BCC11	39J4240	U787F.001.DNZOKF9-P1
MULTI-ADAPTER BRIDGE		8330 0F-6068019	PCI07D	39J4240	U787F.001.DNZOKF9-P1
BUS EXPANSION ADAPTER		8330 0F-6068019	BCC07	39J4240	U787F.001.DNZOKF9-P1
MULTI-ADAPTER BRIDGE		8330 0F-6068019	PCI08D	39J4240	U787F.001.DNZOKF9-P1
BUS EXPANSION ADAPTER		8330 0F-6068019	BCC08	39J4240	U787F.001.DNZOKF9-P1
COMMUNICATIONS IOA	5706-001	00-53913A8	LIN08	39J4240	U787F.001.DNZOKF9-P1
COMMUNICATIONS PORT	5706-001	00-53913A8	CMN07	39J4240	U787F.001.DNZOKF9-P1
COMMUNICATIONS PORT	5706-001	00-53913A8	CMN11	39J4240	U787F.001.DNZOKF9-P1
VIRTUAL IOP	5706-001	00-53913A8	CMB04	39J4240	U787F.001.DNZOKF9-P1
SYSTEM PROCESSOR		8330 0F-6068019	MP03	39J4240	U787F.001.DNZOKF9-P1
SYSTEM PROCESSOR		8330 0F-6068019	MP02	39J4240	U787F.001.DNZOKF9-P1
LOCAL HSL NIC		8330 0F-6068019	BCC06	39J4240	U787F.001.DNZOKF9-P1
HSL LOOP		8330 0F-6068019	SB04	39J4240	U787F.001.DNZOKF9-P1
HSL LOOP		8330 0F-6068019	SB05	39J4240	U787F.001.DNZOKF9-P1
STORAGE IOA	573D-001	12-60721CA	DC09	0000039J353	9 U787F.001.DNZOKF9-P1
COMBINED FUNCTION IOP	2844-001	53-6012099	CMB06	0000039J324	2 U787F.001.DNZOKF9-P1-C1
COMMUNICATIONS IOA	2793-001	48-3055143	LIN02	0000021P528	9 U787F.001.DNZOKF9-P1-C2
COMMUNICATIONS PORT	2793-001	48-3055143	CMN02	0000021P528	9 U787F.001.DNZOKF9-P1-C2
COMMUNICATIONS PORT	2793-001	48-3055143	CMN03	0000021P528	9 U787F.001.DNZOKF9-P1-C2
COMMUNICATIONS PORT	2793-001	48-3055143	CMN02	0000021P528	9 U787F.001.DNZOKF9-P1-C2-T1

COMMUNICATIONS PORT	2793-001	48-3055143	CMN03	0000021P528	9 U787F.001.DNZ0KF9-P1-C2-T2
STORAGE IOA	2749-001	53-5061016	DC02	0000004N229	6 U787F.001.DNZ0KF9-P1-C3
STORAGE IOA	5704-001	1D-65277D0	DC10	0000080P641	5 U787F.001.DNZ0KF9-P1-C5
COMBINED FUNCTION IOP	2844-001 *	53-6012095	CMB07	0000039J324	2 U787F.001.DNZ0KF9-P1-C6
SERVICE PROCESSOR	293A	22-533310C	SP02	80P6787	U787F.001.DNZ0KF9-P1-C7
STORAGE IOA	573D-001	12-60721CA	DC09	0000039J353	9 U787F.001.DNZ0KF9-P1-C8
MAIN STORAGE	313B	0M-V62P05M	MS11	12R8546	U787F.001.DNZ0KF9-P1-C9
MAIN STORAGE	313B	0M-V62P0BF	MS10	12R8546	U787F.001.DNZ0KF9-P1-C10
MAIN STORAGE	313B	0M-V62P0BE	MS09	12R8546	U787F.001.DNZ0KF9-P1-C11
MAIN STORAGE	313B	0M-V62P05S	MS12	12R8546	U787F.001.DNZ0KF9-P1-C12
MAIN STORAGE	313B	0M-V62P07Y	MS06	12R8546	U787F.001.DNZ0KF9-P1-C13
MAIN STORAGE	313B	0M-V62P084	MS07	12R8546	U787F.001.DNZ0KF9-P1-C14
MAIN STORAGE	313B	0M-V62P051	MS05	12R8546	U787F.001.DNZ0KF9-P1-C15
MAIN STORAGE	313B	0M-V62P085	MS08	12R8546	U787F.001.DNZ0KF9-P1-C16
VOLTAGE REGULATOR	6B30-	00-00000		39J0247	U787F.001.DNZ0KF9-P1-C17
CAPACITY CARD	528F	10-4020075	PV02	80P3249	U787F.001.DNZ0KF9-P1-C20
LOCAL HSL NIC		2888 2F-5348064	BCC10	39J2923	U787F.001.DNZ0KF9-P1-C21
HSL LOOP		2888 2F-5348064	SB03	39J2923	U787F.001.DNZ0KF9-P1-C21
COMMUNICATIONS PORT	5706-001	00-53913A8	CMN07	39J4240	U787F.001.DNZ0KF9-P1-T5
COMMUNICATIONS PORT	5706-001	00-53913A8	CMN11	39J4240	U787F.001.DNZ0KF9-P1-T6
BACKPLANE	28D2-	02-534522A	D05	03N6000	U787F.001.DNZ0KF9-P3
DISK UNIT	4328-074	68-0D91517	DD013	26K5177	U787F.001.DNZ0KF9-P3-D1
DISK UNIT	4328-074 *	68-0CE4655	DD023	26K5177	U787F.001.DNZ0KF9-P3-D2
DISK UNIT	4328-074	68-0D9161B	DD011	26K5177	U787F.001.DNZ0KF9-P3-D3
HARDWARE SERVICE MANAGER		S	YSTEM CONFI	GURATION LIST	S10F972B 03/01/11 11:36:33 PAGE 2
SYSTEM TYPE / MODEL / FEATURE	CODE / SERIAL	NUMBER / REL	EASE : 9406	/ 520 / 7736	/ 10-F972B / V5R3M5
		SERIAL	RESOURCE	PART	
DESCRIPTION	TYPE-MODEL	NUMBER	NAME	NUMBER	LOCATION
DISK UNIT	4328-074	68-0D9140E	DD012	26K5177	U787F.001.DNZ0KF9-P3-D4
BACKPLANE	291E-	22-6035042		80P4179	U787F.001.DNZ0KF9-P4
CONTROL PANEL	2.80E+06	32-524100C	PN02	97P4935	U787F.001.DNZ0KF9-D1
SYSTEM EXPANSION UNIT	5094-001	10-76466	LB02		U5094.001.1076466
SYSTEM BUS	28B7	08-3055014	LB03	53P6023	U5094.001.1076466
SYSTEM BUS	28B7	08-3055014	LB04	53P6023	U5094.001.1076466

BACKPLANE	28B7	08-3055014	PCI02D	53P6023	U5094.001.1076466-CB1
MULTI-ADAPTER BRIDGE	28B7	08-3055014	PCI03D	53P6023	U5094.001.1076466-CB1
MULTI-ADAPTER BRIDGE	28B7	08-3055014	PCI04D	53P6023	U5094.001.1076466-CB1
COMBINED FUNCTION IOP	2842-001	10-1255035	CMB01	0000004N509	0 U5094.001.1076466-CB1-C01
COMBINED FUNCTION IOP	2844-001 ?	10-3056054	CMB03	0000097P269	4 U5094.001.1076466-CB1-C01
COMMUNICATIONS IOA	2849-001	38-3035101	CMN06	0000053P005	7 U5094.001.1076466-CB1-C02
COMMUNICATIONS IOA	2849-001	38-3035101	LIN04	0000053P005	7 U5094.001.1076466-CB1-C02
COMMUNICATIONS PORT	2849-001	38-3035101	CMN06	0000053P005	7 U5094.001.1076466-CB1-C02-T1
COMMUNICATIONS CHANNEL	605A-001	00-3035101	CHN01		U5094.001.1076466-CB1-C02-T1
STORAGE IOA	5702-001	08-3052065	DC01	0000097P268	6 U5094.001.1076466-CB1-C03
STORAGE IOA	2749-001 ?	53-3039224	DC04	0000004N229	6 U5094.001.1076466-CB1-C03
COMMUNICATIONS IOA	2742-001	18-2277026	LIN03	0000021P526	7 U5094.001.1076466-CB1-C04
COMMUNICATIONS PORT	2742-001	18-2277026	CMN04	0000021P526	7 U5094.001.1076466-CB1-C04
COMMUNICATIONS PORT	2742-001	18-2277026	CMN05	0000021P526	7 U5094.001.1076466-CB1-C04
COMMUNICATIONS PORT	2742-001	18-2277026	CMN04	0000021P526	7 U5094.001.1076466-CB1-C04-T1
COMMUNICATIONS PORT	2742-001	18-2277026	CMN05	0000021P526	7 U5094.001.1076466-CB1-C04-T2
COMBINED FUNCTION IOP	2844-001	10-5348843	CMB05	0000039J324	2 U5094.001.1076466-CB1-C05
STORAGE IOA	2780-001	0C-6038082	DC06	0000039J505	7 U5094.001.1076466-CB1-C06
STORAGE IOA	5708-001	0C-6031032	DC07	0000039J506	1 U5094.001.1076466-CB1-C07
HSL I/O BRIDGE		2.80E+08 3C-6039145	BC03	97P2459	U5094.001.1076466-CB1-C10
BUS EXPANSION ADAPTER		2.80E+08 3C-6039145	BCC03	97P2459	U5094.001.1076466-CB1-C10
BUS EXPANSION ADAPTER		2.80E+08 3C-6039145	BCC04	97P2459	U5094.001.1076466-CB1-C10
BUS EXPANSION ADAPTER		2.80E+08 3C-6039145	BCC05	97P2459	U5094.001.1076466-CB1-C10
BACKPLANE	28CB-	12-3682498	D06	53P4001	U5094.001.1076466-DB3
DEVICE SERVICES	28CB-001	12-3682498	D03	0000053P400	1 U5094.001.1076466-DB3
DEVICE SERVICES	28CB-001	12-3682498	D04	0000053P400	1 U5094.001.1076466-DB3
DISK UNIT	4328-070	21-51ED6	DD016	26K5538	U5094.001.1076466-DB3-D31
DISK UNIT	4328-074	21-533B2	DD015	26K5538	U5094.001.1076466-DB3-D32
DISK UNIT	4328-074	21-5270C	DD014	26K5538	U5094.001.1076466-DB3-D33
DISK UNIT	4328-070	21-51597	DD017	26K5538	U5094.001.1076466-DB3-D36
DISK UNIT	4328-074	21-C8F02	DD019	42C0217	U5094.001.1076466-DB3-D37
DISK UNIT	4328-074	21-50EB8	DD018	26K5538	U5094.001.1076466-DB3-D38
VIRTUAL IOP	268C-001	00-00000	CMB02		U9406.520.10F972B-V1
VIRTUAL STORAGE IOA	6B02-001	00-00000	DC08		U9406.520.10F972B-V1

VIRTUAL COMM IOA	6B03-001	00-00000	LIN06		U9406.520.10F972B-V1-C0	
VIRTUAL COMM PORT	6B03-001	00-00000	CMN12		U9406.520.10F972B-V1-C0	
VIRTUAL COMM PORT	6B03-001	00-00000	CMN12		U9406.520.10F972B-V1-C0-T1	
VIRTUAL COMM IOA	6B03-001	00-00000	LIN07		U9406.520.10F972B-V1-C1	
VIRTUAL COMM PORT	6B03-001	00-00000	CMN10		U9406.520.10F972B-V1-C1	
VIRTUAL COMM PORT	6B03-001	00-00000	CMN10		U9406.520.10F972B-V1-C1-T1	
OPTICAL LIBRARY	3996-174	00-00000	OPTMLB02	0		0
OPTICAL STORAGE UNIT	6337-002 =	00-00000	OPT04	0000039J352	9 U787F.001.DNZ0KF9-P1-T10-L6-L0	
TAPE LIBRARY	3581-028	00-00000	TAPMLB03			
OPTICAL LIBRARY	3995-C42	00-10412	OPTMLB01	0		0
HARDWARE SERVICE MANAGER		S	YSTEM CONFI	GURATION LIST	S10F972B 03/01/11 11:36:33	PAGE 3

----- LEGEND -----

SPECIAL CHARACTER INDICATORS:

\* - LOAD SOURCE DISK UNIT

% - POTENTIAL ALTERNATE IPL

#NAME?

& - ITEM IS NOT AN IBM PRODU

< - WORK STATION CONSOLE IOP

? - NON-REPORTING RESOURCE

NOTE: THESE SPECIAL CHARACTER  
LOCATION FORMAT (- REPRESENTS

U----- = UNIT ID

P-- = PLANAR ID

DB- = PLANAR ID

CB- = PLANAR ID

V--- = VIRTUAL P

A-- = AIR HANDL

C-- = CARD/DAUG

D-- = DEVICE PO

E-- = ELECTRICA

T-- = PORT LOCA

W----- = WORLDWIDE

L-- = LOGICAL P

\*\*\*\*\* END OF DUMP \*\*\*\*\*

UNIT

NATE IPL UNIT

CT (OEM)

INDICATORS A  
A NUMERICAL O

PPEAR NEXT TO  
R ALPHABETIC

THE TYPE-M  
IDENTIFIER)

ODEL OF THE R

ESOURCE TO WHICH THEY APPLY.

LANAR ID

ER RESOURCE P OSITION

HTER CARD POS ITION

SITION

L RESOURCE PO SITION

TION

PORT NAME

ATH