

FORSYTH COUNTY

BOARD OF COMMISSIONERS

MEETING DATE: June 21, 2018

AGENDA ITEM NUMBER: 25

SUBJECT: RESOLUTION AWARDING A CONTRACT TO DATA NETWORK SOLUTIONS, INC. FOR THE PURCHASE AND INSTALLATION OF TECHNOLOGY EQUIPMENT FOR THE SECONDARY COMMUNICATIONS CENTER (MANAGEMENT INFORMATION SERVICES DEPARTMENT/EMERGENCY SERVICES/SHERIFF'S OFFICE)

COUNTY MANAGER'S RECOMMENDATION OR COMMENTS: Recommend Approval

SUMMARY OF INFORMATION:

The purpose of this item is to award a contract for the purchase and installation of CAD IT equipment to be located at Aviation Drive to support the secondary communications activities of Emergency Services Department and the Sheriff's Office.

ATTACHMENTS: YES NO

SIGNATURE: *J. Dudley Watts for/ams* DATE: June 19, 2018
COUNTY MANAGER

**RESOLUTION AWARDING A CONTRACT TO DATA NETWORK SOLUTIONS, INC.
FOR THE PURCHASE AND INSTALLATION OF TECHNOLOGY EQUIPMENT
FOR THE SECONDARY COMMUNICATIONS CENTER
(MANAGEMENT INFORMATION SERVICES DEPARTMENT/
EMERGENCY SERVICES/SHERIFF'S OFFICE)**

WHEREAS, after due advertisement, proposals were received and publicly opened by the City/County Purchasing Department at 10:00 a.m. on May 31, 2018, for the purchase and installation of CAD Disaster Recovery IT equipment for the secondary communications center and the following proposal was received:

Data Network Solutions, Inc.	\$112,712.30
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; and

WHEREAS, it is the recommendation of the County Manager, the Chief Technology Officer, and the Purchasing Director that a contract be awarded to Data Network Solutions, Inc., for the purchase and installation of CAD Disaster Recovery IT equipment for the secondary communications center in the amount of \$112,712.30, which includes the hardware, software, and support services; and

WHEREAS, the County Chief Financial Officer has determined that sufficient funds are available to cover the cost of this contract.

NOW, THEREFORE, BE IT RESOLVED by the Forsyth County Board of Commissioners that a contract for the purchase and installation of CAD Disaster Recovery IT equipment for the secondary communications center is hereby awarded to Data Network Solutions, Inc., in the amount of \$112,712.30, which includes the hardware, software, and support services.

BE IT FURTHER RESOLVED that the County Manager and Clerk to the Board are hereby authorized to execute, on behalf of Forsyth County, a contract for the purchase and installation of CAD Disaster Recovery IT equipment for the secondary communications center in the amount of \$112,712.30, with Data Network Solutions, Inc., subject to a pre-audit certificate thereon by the County Chief Financial Officer, where applicable, and approval as to form and legality by the County Attorney.

Adopted this 21st day of June 2018.

INVITATION FOR BID



**CAD Disaster Recovery IT Equipment
Forsyth County MIS**

**Bids Will Be Opened
10:00 a.m., Thursday, May 31, 2018**

SUITE 324, PURCHASING DEPARTMENT

**CITY HALL BUILDING
101 NORTH MAIN STREET
WINSTON-SALEM, NORTH CAROLINA**

CITY/COUNTY PURCHASING DEPARTMENT

324 City Hall Building
Winston-Salem, NC 27101

NOTICE TO BIDDERS
CAD Disaster Recovery IT Equipment

It is the policy of the City of Winston-Salem that an employee, officer, or agent of the City may not participate in any manner in the bidding, awarding, or administering of contracts in which they, or a member of their immediate family, their business partner, or any organization in which they serve as an officer, director, trustee, or employee, have a financial interest.

The successful bidder must comply with all provisions of the Americans with Disabilities Act (ADA) and all rules and regulations promulgated thereunder. By submitting a proposal, the successful bidder agrees to indemnify the City from and against all claims, suits, damages, costs, losses, and expenses in any manner arising out of, or connected with, the failure of the Company, its subcontractors, agents, successors, assigns, officers, or employees to comply with the provisions of the ADA or the rules and regulations promulgated thereunder.

All bids must be firm and not subject to increase, unless specified within the provisions of this bid and mutually agreed upon by the City and the bidder.

No special inducements will be considered that are not a part of the original bidding document.

City Rights and Options

The City, at its sole discretion, reserves the following rights:

- To supplement, amend, substitute or otherwise modify this bid at any time
- To cancel this bid with or without the substitution of another bid
- To take any action affecting this bid, this bid process, or the Services subject to this bid that would be in the best interests of the City
- To issue additional requests for information
- To require one or more Service Providers to supplement, clarify or provide additional information in order for the City to evaluate the Responses submitted

Public Records

Any material submitted in response to this bid will become a “public record” once the bidder’s document(s) is opened and the bidder is determined to be a participant in the solicitation process and shall be subject to public disclosure consistent with Chapter 132, North Carolina Statutes. Bidders must claim any applicable exemptions to disclosure provided by law in their response to this bid. Bidders must identify materials to be protected, and must state the reasons why such exclusion from public disclosure is necessary and legal. The City reserves the right to make all final determination(s) of the applicability of North Carolina General Statutes § 132-1.2, Confidential Information.

Familiarity with Laws and Ordinances

The submission of a bid on the services requested herein shall be considered as a representation that the bidder is familiar with all federal, state, and local laws, ordinances, rules and regulations which affect those engaged or employed in the provision of such services, or equipment used in the provision of such services, or which in any way affects the conduct of the provision of such services; and no plea of misunderstanding will be considered on account of ignorance thereof. If the bidder discovers any provisions in the bid documents that are contrary to or inconsistent with any law, ordinance, or regulation, it shall be reported to the City in writing without delay.

Ethics Policy / Code of Conduct

The City of Winston-Salem has establish guidelines for ethical standards of conduct for City representatives and to provide guidance in determining what conduct is appropriate in particular cases. City representatives should maintain high standards of personal integrity, truthfulness, honesty, and fairness in carrying out public duties; avoid any improprieties in their roles as public servants including the appearance of impropriety; and never use their position or power for improper personal gain. In establishing an ethics policy, the City of Winston-Salem desires to protect the public against decisions that are affected by undue influence, conflicts of interest, or any other violation of these policies as well as promote and strengthen the confidence of the public in their governing body. For a complete review of the City Policy click the following link. <http://www.cityofws.org/Home/Departments/Purchasing/Articles/Bids>

E-Verify Compliance. Per N.C.G.S. 143-133.3 “E-VERIFY. CONTRACTOR shall comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. Further, if the CONTRACTOR utilizes a subcontractor, the CONTRACTOR shall require the subcontractor to comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes.”

Iran Divestment Act; Provider hereby certifies that it is not on the North Carolina State Treasurer’s list of persons engaging in business activities in Iran, prepared pursuant to NCGS §147-86.58, nor will Provider utilize on this agreement any subcontractor on such list.

INSTRUCTIONS FOR BIDDERS
CAD Disaster Recover IT Equipment

Bidders **MUST** have their bid delivered by the specified time and date. This bid sets forth the minimum requirements that all submissions shall meet. Failure to submit proposals in accordance with this request may render the proposal unacceptable. Costs incurred by any Bidder in the preparation of his/her response to the bid are the responsibility of the Bidder and will not be reimbursed by the City of Winston-Salem. Bidders shall not include any such expenses as part of their proposals.

PREPARATION OF BID

It is certified that this bid is made in good faith and without collusion with any person submitting a bid for this service or with any officer or employee of the City of Winston-Salem. The undersigned further agrees that in connection with the performance of specified services, not to discriminate against any employee or applicant for employment because of race, religion, color, sex, age, handicap, political affiliation, or national origin.

Bids **MUST** be on the standard forms as furnished in this bidding document by the City/County Purchasing Department.

Bids shall be submitted in duplicate on the Bid Proposal Form or the Excel document provided. Forms are to be produced from this file. Hand-written forms will not be accepted. Each copy shall be properly signed and witnessed.

Bids shall be submitted on or before the time set forth for the opening of bids, addressed and labeled as set forth in the Instructions for Bidders. Late bids will not be considered. Neither emailed nor faxed bids are acceptable.

All bids must be received not later than May 31, 2018 at 10:00 a.m.

INTERPRETATION OF DOCUMENTS

Should any bidder find any discrepancies in, or omission from, the specifications or other Contract Documents, or should the bidder be in doubt as to their meaning, he shall at once notify **TaWanna A. Gates** at (336) 747-6938 tawannag@cityofws.org and obtain an interpretation or clarification prior to submitting his bid. Any request for interpretation or clarification given in accordance with this provision shall be in writing.

Questions relative to this bid shall be submitted by 12 noon, May 21, 2018 per email to ringit@forsyth.cc tawannag@cityofws.org

ADDENDA

The bidder may, during the bidding period be advised by addenda of additions, deletions or alterations in any of the documents forming a part of this Bid. All such changes shall be included in the work covered by the bid and shall become a part of the contract. The bidder shall acknowledge receipt of each addenda.

ALTERNATE BID SUBMITTALS

Alternates are not acceptable for this bid.

SUBMIT BIDS TO THE FOLLOWING LOCATION:

US Postal Service address:

City/County Purchasing Department
Post Office Box 2511
Winston-Salem, North Carolina 27102
27101

or

Hand-delivery or FedEx address:

City/County Purchasing Department
101 N. Main Street, 324 City Hall
Winston-Salem, North Carolina

PLEASE NOTE: THIS IS AN ALL OR NONE BID, PLEASE BID ACCORDINGLY.

BID PROPOSAL FORM
CAD Disaster Recovery IT Equipment

The undersigned bidder hereby declares that they have carefully examined the specifications contained herein and will provide all labor, materials, equipment, supervision, and insurance applicable to perform the service in accordance with the specifications and the requirements under the following sum to wit:

The County may at its sole discretion reject any or all bids submitted or consider alternatives that may be in the best interest of Forsyth County.

The undersigned certifies that this proposal is made in good faith and without collusion or in connection with any other person bidding on the same work nor will any official or employee of Forsyth County be admitted to any share or part of this contract should an award be made to the undersigned.

The undersigned further certifies that in connection with the performance of this contract not to discriminate against any employee or applicant for employment because of race, creed, color, gender, religion, national origin, political affiliation or handicap.

The contractor agrees that in carrying out this contract he will apply with all applicable federal, state and local laws, specifically including, without limitation, the Occupational Safety and Health Act of 1970 and Section 1324A, The Immigration Reform and Control Act.

Bids are to be signed by an officer of the company authorized to bind the submitter to its provisions. Failure to manually sign the appropriate proposal form will disqualify the bidder and the bid will not be considered.

The undersigned, as Bidder, hereby declares that the only person or persons interested in this Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Bid or Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The Bidder further declares that he has informed himself fully in regard to all conditions pertaining to the place where the work is to be done; that he has examined the specifications for the work and the Contract Documents relative thereto, including addenda, if any, and has read all special provisions furnished prior to the opening of bids; that he has satisfied himself relative to the work to be performed. The Bidder must furnish, in the spaces provided on the following pages, unit prices and quantities for each item bid upon. Unit prices shall include all labor, overhead and profit, materials, equipment, appliances, delivery and installation and other necessary operations to cover finished work of the kinds called for. State and local taxes shall not be included in the unit prices, but included in the space provided on the bid form below.

BID AUTHORIZATION AND SIGNATURE

Bids are to be signed by an officer of the company authorized to bind the submitter to its provisions. Failure to manually sign the appropriate bid form will disqualify the bidder and the bid will not be considered. This proposal must also be notarized.

Data Network Solutions
Company

336 782 7945
Telephone Number

Brian Pearce
Authorized Signature

Neil O'Brien
Witness

Brian Pearce, Account Executive
Typed Name and Title

56-211 3683
Federal Identification #

629 Lake Tide Dr. Chapin SC 29036
Address, (P.O. Box or Street) City, State, Zip

bpearce@data network solutions.com
E-Mail Address

On this 29 day of May, 2018 before me Brian Pearce

(name)

to me personally known, being duly sworn, did execute the foregoing proposal, and did so state that

he/she was properly authorized by Data Network Solutions

(Company name)

to execute the proposal and did so on his/her free act and deed.

SEAL

Notary Public Bryan Dobbins My commission expires Jan 8, 2023

BRYAN DOBBINS
Notary Public
Forsyth Co., North Carolina
My Commission Expires Jan. 8, 2023

MFG	MFG PART#	DESCRIPTION	QTY	Unit Price	Total	Substitute Part#	Substitute Description	Notes
BILL OF MATERIALS SHOWING PART # SUBSTITUTIONS								
Hardware/Software								
Juniper	EX4600-40F-AFI	EX4600, 24 SFP+/SFP ports, 4 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, back to front airflow	1	\$ 6,813.72	\$ 6,813.72			
Juniper	JPSU-850W-AC-AFI	Flow	2	\$ 640.25	\$ 1,280.50			
ENET	EX-SFP-10GE-SR-ENC	LC	6	\$ 93.75	\$ 562.50			
NetApp	SW-2-CL-BASE	SW-2_Base,CL_Node	1	\$ -	\$ -			
NetApp	FAS2650	HEADER LINE	1	\$ -	\$ -			
NetApp	FAS2650A-002	FAS2650 HA System, Premium Bundle	2	\$ 1,667.83	\$ 3,335.66			
NetApp	SW-2-2650A-TPM-C	SW Trusted Platform Module Enabled, 2650A,-C	2	\$ -	\$ -			
NetApp	FAS2650-104-C	FAS2650, 24x1.2TB, 10K,-C	1	\$ 5,093.55	\$ 5,093.55			
NetApp	DOC-2650-C	Documents, FAS2650,-C	1	\$ -	\$ -			
NetApp	DATA-AT-REST-ENCRYPTION	Data at Rest Encryption Capable Operating Sys	2	\$ -	\$ -			
NetApp	OS-ONTAP1-CAP2-PREM-1P-C	ONTAP_Perf-0.1TB,PREMBNDL,Perf,1P,-C	288	\$ 32.65	\$ 9,403.20			
NetApp	X8589-R6-C	SFP+ Optical 10Gb Shortwave,-C	4	\$ 69.07	\$ 276.28			
NetApp	X86250-5	Cable, LC-LC, OM4, 5m	4	\$ 53.71	\$ 214.84			
Cisco	X-SFP-H10GB-CU3M-R6	Cable Cisco 10GBase Copper SFP+ 3m	4	\$ 118.76	\$ 475.04			
NetApp	X8568B-05-R6	Cable, Direct Attach CU SFP+ 10G, 0.5M	2	\$ 76.35	\$ 152.70			
NetApp	X86030A	Cable, 12Gb, Mini SAS HD to HD, 0.5m	2	\$ 25.81	\$ 51.62			
NetApp	X8D0-42U-R6	Power Cable, In-Cabinet, C13-C14	2	\$ -	\$ -			
NetApp	X-02659-00	Rail Kit, 4-Post, Rnd/Sq-Hole, Adj, 24-32	1	\$ 68.38	\$ 68.38			
NetApp	DS2246-R5	DS2246-R5	1	\$ -	\$ -			
NetApp	X800-42U-R6	Power Cable, In-Cabinet, C13-C14	2	\$ -	\$ -			
NetApp	DS2246-28.8TB-QS-R6	DSK SHLF, 24x1.2TB, 10K, 6G, QS	1	\$ 6,722.58	\$ 6,722.58			
NetApp	OS-ONTAP1-CAP2-0P-QS	OS Eble_Perf-0.1TB,ONTAP,Perf-Stor,0P,QS	288	\$ 18.68	\$ 5,379.84			
NetApp	X5529A-R6	Rackmount Kit, Swift, 4-Post, Square-Hole	1	\$ 68.38	\$ 68.38	X-02659-00	Rail Kit, 4-Post, Rnd/Sq-Hole, Adj, 24-32	Rail kit part # for shelf has changed
NetApp	X6558-R6	Cable, SAS Cntrl-Shelf/Shelf-HA, 2m	2	\$ 28.77	\$ 57.54			
NetApp	X6581-R6	Cable, Ethernet, 2m RJ45 CAT6	2	\$ 1.74	\$ 3.48			
VM	11-2136-LIC	VMware vSphere 6 Essentials Plus Kit for 3 hosts (Max 2 processors per host) VMware Inc. - VS6-ESP-KIT-F	1	\$ 3,487.59	\$ 3,487.59			
Cisco	UCS-SP-C220M4-B-A1	UCS SP C220M4S Adv1 w/2x E52680v4, 8x16GB VIC1227	3	8919.1	\$ 26,757.30	UCS-SP-C220M5-A1	UCS C220 M5 A1	UCS C220M4 is end of Sale, C220M5 is replacement
Cisco	UCS-CPU-E52680E	2.40 GHz E5-2680 v4/120W 14C/35MB Cache/DDR4 2400MHz	6	\$ -	\$ -	UCS-CPU-5120	2.2 GHz 5120/105W 14C/19.25MB Cache/DDR4 2400MHz	
Cisco	UCS-MR-1X161RV-A	16GB DDR4-2400-MHz RDIMM/PC4-19200/single rank/x4/1.2v	6	\$ 381.88	\$ 2,290.08	UCS-MR-X16Q2RS-H	16GB DDR4-2666-MHz RDIMM/PC4-21300/dual rank/x4/1.2v	QTY 18 are included in UCS-CPU-5120 bundle, adjusted qty from 24 to 6 to reflect accurate unit cost
Cisco	UCSC-MLOM-CSC-02	Cisco UCS VIC1227 VIC MLOM - Dual Port 10Gb SFP+	3	\$ -	\$ -	UCSC-MLOM-C40Q-03	MLOM	
Cisco	PCIE-E16002-OPTOUT	Emulex Opt Out	3	\$ -	\$ -	n/a	n/a	Part # no longer needed
Cisco	UCSC-RAILB-M4	Ball Bearing Rail Kit for C220 M4 and C240 M4 rack servers	3	\$ -	\$ -			
Cisco	UCSC-PSU1-770W	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	6	\$ -	\$ -			
Cisco	CAB-C13-C14-2M	Power Cord Jumper, C13-C14 Connectors, 2 Meter Length	8	\$ -	\$ -	CAB-9K12A-NA	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America	
Cisco	N20-BKVM	KVM local IO cable for UCS servers console port	3	\$ -	\$ -			
Cisco	UCS-M4-V4-LBL	Cisco M4 - v4 CPU asset tab ID label (Auto-Expand)	3	\$ -	\$ -	n/a	n/a	Part # no longer needed
Cisco	N20-BBLKD	UCS 2.5 inch HDD blanking panel	24	\$ -	\$ -	UCSC-BBLKD-S2	UCS C-Series M5 SFF drive blanking panel	
Cisco	UCSC-SCCBL220	Supercap cable 950mm	3	\$ -	\$ -	UCSC-SCAP-M5	Super Cap for UCSC-RAID-M5, UCSC-MRAID1GBKIT	
Cisco	UCSC-HS-C220M4	Heat sink for UCS C220 M4 rack servers	6	\$ -	\$ -	UCSC-HS-C220M5	Heat sink for UCS C220 M5 rack servers 150W CPUs & below	
Cisco	UCSC-MRAID12G	Cisco 12G SAS Modular RAID Controller	3	\$ -	\$ -	UCSC-RAID-M5	Cisco 12G Modular RAID controller with 2GB cache	
Cisco	UCSC-MRAID12G-1GB	Cisco 12Gb/s SAS 1GB FBWC Cache module (RAID 0/1/5/6)	3	\$ -	\$ -	included in UCSC-RAID-M5		
Cisco	UCS-HD1T7K12G=	1TB 12G SAS 7.2K RPM LFF HDD	6	\$ 399.49	\$ 2,396.94	UCS-HD1T7K12N=	1 TB 12G SAS 7.2K RPM SFF HDD	
Cisco	SFP-H10GB-CU3M=	10GBASE-CU SFP+ Cable 3 Meter	6	\$ 52.58	\$ 315.48			
Cisco			6	\$ 184.03	1104.18	CVR-QSFP-SFP10G=	QSFP to SFP10G adapter	added part # due to change from M4 to M5
Tripp Lite	SU5000RT4UHV	SmartOnline 208/240V 5kVA 4.5kW Double-Conversion UPS, 4U Rack/Tower, Extended Run, HTML 5 web card	1	\$ 2,933.84	\$ 2,933.84			

Maintenance/Support							
Juniper	SV3-ND-EX460040F	Juniper Care 3YR Prepaid Next Day Support for EX4600-40F	1	\$ 2,583.45	\$ 2,583.45		
NetApp	CS-O2-NOINSTALL-4HR	SupportEdge Premium 4hr Onsite, w/o Install	1	\$ 7,016.21	\$ 7,016.21		
NetApp	CS-O2-NOINSTALL-4HR-VA	SupportEdge Premium 4hr Onsite, w/o Install, VA	1	\$ 6,158.86	\$ 6,158.86		
VM	11-2136-M3P	Production Support/Subscription VMware vSphere 6 Essentials Plus Kit for 3 years VMware Inc. - VS6-ESP-KIT-3PSSS-F	1	\$ 2,809.41	\$ 2,809.41		
Cisco	CON-OSP-C220BA1	ONSITE 24X7X4 (Not Sold Standalone)C220M4S Adv1w/2xE52680v4	3	\$ 1,345.72	\$ 4,037.16	CON-3OSP-C220M5A1	3YR SNTC 24X7X4OS UCS C220 M6 A1
Tripp Lite	SU5000RT4UHV		1	\$ 561.99	\$ 561.99	WEXT3P	3YR EXTENDED WTY FOR SELECT PRODUCTS correct part # for support
Installation Services							
		Design, Installation, Implementation, and Knowledge Transfer by a certified engineer. Includes installation and configuration for the NetApp, Cisco, VMware and Juniper equipment associated with the FCSO County Fire CAD Project. Statement of Work to be furnished by vendor.	1	\$ 10,500.00	\$ 10,500.00		
Grand Total					\$ 112,712.30		

MFG	MFG PART#	DESCRIPTION	QTY	Unit Price	Total
BILL OF MATERIALS SHOWING ONLY CORRECTED PART NUMBERS					
Hardware/Software					
Juniper	EX4600-40F-AFI	EX4600, 24 SFP+/SFP ports, 4 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, back to front airflow	1	\$ 6,613.72	\$ 6,613.72
Juniper	JPSU-650W-AC-AFI	Juniper 650W AC Power Supply (FRU Side to Port Side Air Flow)	2	\$ 640.25	\$ 1,280.50
ENET	EX-SFP-10GE-SR-ENC	10GBASE-SR SFP+ 850nm 300m w/DOM Multi Mode Duplex LC	6	\$ 93.75	\$ 562.50
NetApp	SW-2-CL-BASE	SW-2,Base,CL,Node	1	\$ -	\$ -
NetApp	FAS2650	HEADER LINE	1	\$ -	\$ -
NetApp	FAS2650A-002	FAS2650 HA System,Premium Bundle	2	\$ 1,667.83	\$ 3,335.66
NetApp	SW-2-2650A-TPM-C	SW,Trusted Platform Module Enabled,2650A,-C	2	\$ -	\$ -
NetApp	FAS2650-104-C	FAS2650,24x1.2TB,10K,-C	1	\$ 5,093.55	\$ 5,093.55
NetApp	DOC-2650-C	Documents,FAS2650,-C	1	\$ -	\$ -
NetApp	DATA-AT-REST-ENCRYPTION	Data at Rest Encryption Capable Operating Sys	2	\$ -	\$ -
NetApp	OS-ONTAP1-CAP2-PREM-1P-C	ONTAP,Per-0.1TB,PREMBNDL,Perf,1P,-C	288	\$ 32.65	\$ 9,403.20
NetApp	X6589-R6-C	SFP+ Optical 10Gb Shortwave,-C	4	\$ 69.07	\$ 276.28
NetApp	X66250-5	Cable,LC-LC,OM4,5m	4	\$ 53.71	\$ 214.84
Cisco	X-SFP-H10GB-CU3M-R6	Cable,Cisco 10GBase Copper SFP+ 3m	4	\$ 118.76	\$ 475.04
NetApp	X6566B-05-R6	Cable,Direct Attach CU SFP+ 10G,0.5M	2	\$ 76.35	\$ 152.70
NetApp	X66030A	Cable,12Gb,Mini SAS HD to HD,0.5m	2	\$ 25.81	\$ 51.62
NetApp	X800-42U-R6	Power Cable,In-Cabinet,C13-C14	2	\$ -	\$ -
NetApp	X-02659-00	Rail Kit,4-Post,Rnd/Sq-Hole,Adj,24-32	1	\$ 68.38	\$ 68.38
NetApp	DS2246-R5	DS2246-R5	1	\$ -	\$ -
NetApp	X800-42U-R6	Power Cable,In-Cabinet,C13-C14	2	\$ -	\$ -
NetApp	DS2246-28.8TB-QS-R6	DSK SHLF,24x1.2TB,10K,6G,QS	1	\$ 6,722.58	\$ 6,722.58
NetApp	OS-ONTAP1-CAP2-0P-QS	OS Eble,Per-0.1TB,ONTAP,Perf-Stor,0P,QS	288	\$ 18.68	\$ 5,379.84
NetApp	X-02659-00	Rail Kit,4-Post,Rnd/Sq-Hole,Adj,24-32	1	\$ 68.38	\$ 68.38
NetApp	X6558-R6	Cable,SAS Cntr-Shelf/Shelf-Shelf/HA,2m	2	\$ 28.77	\$ 57.54
NetApp	X6561-R6	Cable,Ethernet,2m RJ45 CAT6	2	\$ 1.74	\$ 3.48
VM	11-2136-LIC	VMware vSphere 6 Essentials Plus Kit for 3 hosts (Max 2 processors per host) VMware Inc. - VS6-ESP-KIT-F	1	\$ 3,487.59	\$ 3,487.59
Cisco	UCS-SP-C220M5-A1	UCS C220 M5 A1	3	8919.1	\$ 26,757.30
Cisco	UCS-CPU-5120	2.2 GHz 5120/105W 14C/19.25MB Cache/DDR4 2400MHz	6	\$ -	\$ -
Cisco	UCS-MR-X16G2RS-H	16GB DDR4-2666-MHz RDIMM/PC4-21300/dual rank/x4/1.2v	6	\$ 381.68	\$ 2,290.08
Cisco	UCSC-MLOM-C40Q-03	Cisco VIC 1387 Dual Port 40Gb QSFP CNA MLOM	3	\$ -	\$ -
Cisco	UCSC-RAILB-M4	Ball Bearing Rail Kit for C220 M4 and C240 M4 rack servers	3	\$ -	\$ -
Cisco	UCSC-PSU1-770W	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	6	\$ -	\$ -
Cisco	CAB-9K12A-NA	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America	6	\$ -	\$ -
Cisco	N20-BKVM	KVM local IO cable for UCS servers console port	3	\$ -	\$ -
Cisco	UCSC-BBLKD-S2	UCS C-Series M5 SFF drive blanking panel	24	\$ -	\$ -
Cisco	UCSC-SCAP-M5	Super Cap for UCSC-RAID-M5, UCSC-MRAID1GBKIT	3	\$ -	\$ -
Cisco	UCSC-HS-C220M5	Heat sink for UCS C220 M5 rack servers 150W CPUs & below	6	\$ -	\$ -
Cisco	UCSC-RAID-M5	Cisco 12G Modular RAID controller with 2GB cache	3	\$ -	\$ -
Cisco	UCSC-MRAID12G-1GB	Cisco 12Gbps SAS 1GB FBWC Cache module (Raid 0/1/5/6)	3	\$ -	\$ -
Cisco	UCS-HD1T7K12N=	1 TB 12G SAS 7.2K RPM SFF HDD	6	\$ 399.49	\$ 2,396.94
Cisco	SFP-H10GB-CU3M=	10GBASE-CU SFP+ Cable 3 Meter	6	\$ 52.58	\$ 315.48
Cisco	CVR-QSFP-SFP10G=	QSFP to SFP10G adapter	6	\$ 184.03	1104.18
Tripp Lite	SU5000RT4UHV	SmartOnline 208/240V 5kVA 4.5kW Double-Conversion UPS, 4U Rack/Tower, Extended Run, HTML 5 web card	1	\$ 2,933.84	\$ 2,933.84
Maintenance/Support					
Juniper	SV3-ND-EX460040F	Juniper Care 3YR Prepaid Next Day Support for EX4600-40F	1	\$ 2,583.45	\$ 2,583.45
NetApp	CS-O2-NOINSTALL-4HR	SupportEdge Premium 4hr Onsite, w/o Install	1	\$ 7,016.21	\$ 7,016.21

NetApp	CS-O2-NOINSTALL-4HR-VA	SupportEdge Premium 4hr Onsite, w/o Install,VA	1	\$ 6,158.86	\$ 6,158.86
VM	11-2136-M3P	Production Support/Subscription VMware vSphere 6 Essentials Plus Kit for 3 years VMware Inc. - VS6-ESP-KIT-3PSSS-F	1	\$ 2,809.41	\$ 2,809.41
Cisco	CON-3OSP-C220M5A1	3YR SNTC 24X7X4OS UCS C220 M5 A1	3	\$ 1,345.72	\$ 4,037.16
Tripp Lite	WEXT3P	3YR EXTENDED WTY FOR SELECT PRODUCTS	1	\$ 561.99	\$ 561.99
Installation Services					
		Design, Installation, Implementation, and Knowledge Transfer by a certified engineer. Includes installation and configuration for the NetApp, Cisco, VMware and Juniper equipment associated with the FCSO County Fire CAD Project. Statement of Work to be furnished by vendor.	1	\$ 10,500.00	\$ 10,500.00
				Grand Total	\$ 112,712.30

DATA NETWORK SOLUTIONS



Forsyth County Sheriff's Office

CAD Disaster Recovery IT Equipment

Statement of Work

Prepared for: Jason Ring

Prepared by: Wes Prather & Chad Sink

Date: 5-29-2018

Revision: 1.0

EXECUTIVE SUMMARY

Objective

Forsyth County has solicited bids for the CAD Disaster Recovery IT Equipment project. This project includes server, storage, networking and virtualization technology. If awarded, DNS will work with Forsyth County and Sheriff's Office IT staff to install the included hardware components and provide configuration services as described in the Summary below. This will also include as much knowledge transfer as possible during the engagement.

DNS is a Value-Added Reseller with strategic manufacturing and distribution partner relationships. These relationships, DNS engineering, and an uncompromising commitment to customer satisfaction enable excellence in sales, implementation, and support throughout our customer base. DNS will provide Forsyth County with a seamless hardware/software installation configuration and will ensure interoperability in the existing environment.

DNS reserves the right to bring in additional resources, particularly manufacturer technical assistance, to help facilitate correct completion of the project. While valid support entitlements are required for all hardware and software, the additional DNS technical resources will be at no cost to Forsyth County. DNS will not seek reimbursement from Forsyth County for any expenses related to travel, accommodations, or meals. DNS will provide technical assistance and project management for the project. With this outline of project requirements, DNS and Forsyth County will work together in good faith to address items not listed and adjust the project scope should it be determined that modifications are required.

Primary DNS Contacts

Name	Role	Cell	Email
Brian Pearce	Account Executive	(336) 782-7945	bpearce@datanetworksolutions.com
Wes Prather	Solutions Engineer	(919) 576-3166	wprather@datanetworksolutions.com
Bruce Fisher	Director of Sales	(704) 905-1920	bfisher@datanetworksolutions.com
Steve Barrier	Director of Engineering	(803) 673-4889	sbarrier@datanetworksolutions.com

Primary Customer Contacts

Name	Role	Phone	Email
Jason Ring	IT Team Leader - Forsyth County Management Information Systems	(336) 703-2100	ringjt@forsyth.cc
Michael Wright	IT Director - Forsyth County Sheriff's Office	(336) 917-7001	wrightma@fcso.us

PROFESSIONAL SERVICES SUMMARY

Customer Project Requirements

- Functional secondary site with full VMware vCenter cluster capable of hosting critical application services and data
- Integration with existing VMware vCenter management solution and NetApp storage architecture and data protection strategy

DNS Responsibilities & Deliverables

- Abide by all requirements set forth in the CAD Disaster Recovery Equipment Invitation to Bid
- Installation, configuration, and integration services for:
 - (1) Juniper EX4600 Data Center Switch
 - (3) Cisco C220 M5 servers
 - NetApp FAS2650 HA storage system
 - VMware vCenter and vSphere 6.x cluster
- Install latest supported firmware on all provided hardware
- Perform testing of failure scenarios to ensure a highly resilient infrastructure
- Provide documentation of the as-built environment
- Provide knowledge transfer opportunities for customer staff to gain confidence in owning the solution

Technical Requirements and Specifications

To enable proper installation, the environment must meet the following prerequisites:

- Physical and logical components must all be provided as discussed
 - power, space, cooling to support any new hardware will be required
 - IP addressing, routing, and security policies and modifications as needed

Customer Responsibilities

- Provide appropriate resources on scheduled dates.
- Provide advanced notice of schedule changes that affect scheduled work.
- Provide advanced access to required training and privacy standards for systems with which DNS resources will engage.
- Provide network and/or internet access as needed during the duration of the engagement with DNS resources.
- Valid support entitlements are required for all hardware and software

Mutual Responsibilities

- Documentation and communication of intended changes by either party during the engagement

PROJECT LOGISTICS

Communications & Project Management

Your account team listed above will be the primary point of contact throughout the engagement and will provide project oversight and management. Should additional resources need to be introduced they will be brought in by your account team. Escalations for issues can go to the DNS Director of Sales and/or Director of Engineering as needed.

Project Modifications

Modifications to this statement of work will require participation from both Forsyth County management and the DNS account team and will be documented in a new statement of work issued once changes have been agreed upon.

Work Hours

DNS will work with Forsyth County to determine what environmental changes can occur at which times and provide scheduling according to customer and technological requirements.

Regular Work Hours are: Monday through Friday, 8am – 5pm excluding nationally observed holidays.

Weeknight Hours are: Monday 5pm through Friday 8am excluding nationally observed holidays.

Weekend Hours are: Friday 5pm through Monday 8am excluding nationally observed holidays.

Holiday Hours are: Any nationally observed holiday and weekend days adjoining those holidays.

Work Location(s)

Work may be performed at the following Forsyth County location(s):

- County Fire 911 DR Facility
- Forsyth County Public Safety Center

Delivery Methodology & Timeline

Services may be delivered in person or via remote access as agreed between DNS and Forsyth County. Unless specified otherwise, all work is to be completed within one calendar year of the issuance of a purchase order for these services.

Confidentiality

All information contained within this statement of work are the intellectual property of Data Network Solutions and will not be shared outside of the relationship between DNS and Forsyth County without express written permission of the DNS account executive.

ADDENDUM 1



**CAD Disaster Recovery IT Equipment
Forsyth County MIS
Bids Will Be Opened
10:00 a.m., Thursday, May 31, 2018**

**SUITE 324 - PURCHASING DEPARTMENT - CITY HALL BUILDING
101 NORTH MAIN STREET
WINSTON-SALEM, NORTH CAROLINA**

May 21, 2018

Please acknowledge receipt of this Addendum and include with your bid.

Data Network Solutions
Company

Bin Pan
Authorized Signature

5-29-18
Date

PLEASE SEE THE ATTACHED DOCUMENT IN REFERENCE TO QUESTIONS AND ANSWERS.

FCSO Fire CAD
Vendor question responses

Tue, May 15, 9:30 AM

1. Cisco UCS-SP-C220M4-B-A1 is listed as End-of-Sale as of March 9, 2018. The replacement product is UCS-SP-C220M5-CA1 but does not have the same processor, memory, etc. specs. Can the replacement product be quoted?
2. Please confirm the Juniper switches are to connect the Cisco UCS servers to the NetApp storage (ie. Storage Area Network aka SAN).
3. There are many different ways to provision the NetApp storage. Are any specifications available for pre-bid consideration?

Response:

1. *End of life for Cisco UCS-SP-C220M4-B-A1 is accurate. The replacement part, which is the same part number but has increased processor capacity, can be quoted.*
2. *Yes, the Juniper Switches connect the Cisco UCS servers to the NetApp storage.*
3. *Netapp will be provisioned according to NetApp best practices as well as additional 3rd party application requirements as necessary including, but not limited to:*
 - i. *Configuration of aggregates, storage virtual machines(SVM's), and volumes with appropriate efficiency/performance settings according to FCSO workload needs.*
 - ii. *Configuration of data networks to insure redundant, vlan protected, non-routed data LIF's (logical interface's).*
 - iii. *Configuration of datastore presentation to esxi hosts including multi-path iSCSI/ configuration(where applicable) and/or NFS protocols using secure export policy practice.*
 - iv. *Configuration of data protection including block level replication using NetApp Snapmirror technology integration with existing FCSO array(FAS 2552) where applicable.*

Wed, May 16, 9:07 AM

Can you please clarify the support term for these items? Is 3 years the support term requested for the entire bill of materials?

Response:

Yes, please include 3 years of support for the entire bill of materials.

Fri, May 18, 12:56 PM

1. Is there an existing disaster recovery solution in place, and if so, what is it?
2. Who is the provider of your current CAD system?
3. Is this system just to provide disaster recovery for CAD information or do you also want a disaster recovery capability for the public safety network?
4. Can you describe the bandwidth connectivity between the primary site and the DR site?

Response:

1. *Negative, there is not a disaster recovery solution in place.*
2. *Superion CAD*
3. *CAD information..*
4. *10mb Metro circuit*

May 21, 2018, 10:48 AM

- 1) Are you willing to look at a competitive solution from Dell in response to this bid?
- 2) How are you planning to replicate to the new DR site?

Response:

1. *Negative, as the primary site production site utilizes NetApp SAN storage and the initial investments are to be maintained.*
2. *Replication will be over 10mb Metro circuit and will utilize NetApp's internal replication feature, SnapMirror.*



Ashleigh Sloop <sloopam@forsyth.cc>

FCSO Fire CAD Disaster Recovery

1 message

Jason Ring <ringjt@forsyth.cc>

Fri, Jun 1, 2018 at 2:58 PM

To: Ashleigh Sloop <sloopam@forsyth.cc>

Ashleigh,

Attached is the Request for Quote:
FC CAD Disaster Recovery IT Equipment May 2018

The Addendum, which answers bid questions:
FCSO Fire CAD Addendum

The winning BID:
DNS Vendor Bid RE FCSO Fire CAD

I will be sending over the information on the resolution, the e(11 funding sources, etc on Monday.

3 attachments

 **FC CAD Disaster Recovery IT Equipment May 2018.docx**
187K

 **DNS Vendor Bid RE FCSO Fire CAD.pdf**
211K

 **FCSO Fire CAD Addendum.pdf**
118K