

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

220



**FROM:** Information Technology Department

**SUBMITTAL DATE:**  
February 5, 2004

**SUBJECT:** Proposed purchase of Cisco communications equipment inventory to enhance network reliability and availability.

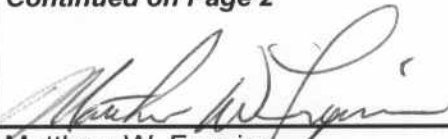
**RECOMMENDED MOTION:** That the Board of Supervisors approves the purchase of Cisco communications equipment to enhance CORNET reliability and availability for County Departments and Agencies.

**BACKGROUND:**

Riverside County has taken decisive steps to improve CORNET information security and network architecture over the past 18 months. CORNET is the enterprise network service that provides the backbone for all County data transmission requirements. County departments have identified the CORNET network as a mission critical service that must provide high reliability and availability.

To ensure minimal downtime due to hardware failures within CORNET, IT will provision and maintain a spare equipment inventory to reduce recovery timeframes in the event of internal system failures. By maintaining this inventory, the timeframe for procurement is greatly reduced (hours versus days), and operational readiness is greatly enhanced.

*Continued on Page 2*

  
Matthew W. Frymire  
Interim Chief Information Officer

<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ \$ 353,780.	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ \$ 353,780	Budget Adjustment:	
	Annual Net County Cost:	\$	For Fiscal Year:	03/04

<b>SOURCE OF FUNDS:</b> Funds recovered through existing CORNET ISF Rates.	<b>Positions To Be Deleted Per A-30</b>	<input type="checkbox"/>
	<b>Requires 4/5 Vote</b>	<input type="checkbox"/>

**C.E.O. RECOMMENDATION:** **APPROVE**

**County Executive Office Signature**



- Dept't Recomm.:  Consent
- Per Exec. Ofc.:  Consent
- Policy
- Policy

**Prev. Agn. Ref.:**

**District:** ALL

**Agenda Number:**

3.23

Form 11

February 5, 2004

**Proposed purchase of Cisco communications equipment inventory to enhance network reliability and availability.**

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The equipment inventory will be stored in the IT warehouse and will be readily available in the instance of a hardware failure within the network. Additionally, the inventory will enable Information Technology to quickly address requests for new service. This approach will reduce the restoration and recovery time and thus the business impact to the departments and agencies that rely on CORNET for information systems processing between locations.

Cisco is the designated county standard for backbone networking devices across the Wide Area Network. SBC is the County awarded vendor for the procurement of Cisco equipment and offers the highest discount available at 39% off of the retail price.



Prepared By:

Robert Selcer and James Kidd  
 SBC DataComm - Public Sector  
 Direct: 949-838-8138  
 Fax: 949-251-1770  
 Terms: N/30  
 Freight: PPD/CHARGE  
 FOB: Origin

County of Riverside

Spares

Date 1-12-04

Qty	SBC Part Number	Mfg Part Number	Product Description	List Price	Discount Off List	Unit Price	Extended Price
CISCO1721							
1	N/A	CISCO1721	10/100BaseT Modular Router w/2 WAN slots, 32M Flash/64M DRAM	\$ 1,195.00	39%	\$ 728.95	\$ 728.95
1	N/A	WIC-1DSU-T1	1-Port T1/Fractional T1 DSU/CSU WAN Interface Card	\$ 1,000.00	39%	\$ 610.00	\$ 610.00
1	N/A	S17Q7HK9-12301	Cisco 1700 IOS IP/ADSL/IPX/AT/IBM/FW/IDS PLUS IPSEC 3DES	\$ 1,800.00	39%	\$ 1,098.00	\$ 1,098.00
1	N/A	CAB-AC	Power Cord,110V	\$ -	39%	\$ -	\$ -
CISCO2651XM							
1	N/A	CISCO2651XM	High Performance Dual 10/100 Modular Rout with Cisco IOS IP	\$ 4,195.00	39%	\$ 2,558.95	\$ 2,558.95
1	N/A	CAB-AC	Power Cord,110V	\$ -	39%	\$ -	\$ -
1	N/A	S26AP-12208T	Cisco 2600 Series IOS ENTERPRISE PLUS	\$ 1,300.00	39%	\$ 793.00	\$ 793.00
1	N/A	MEM2600XM-64U128D	64 to 128MB DRAM factory upgrade - 265xXM/XM VPN Bundles	\$ -	39%	\$ -	\$ -
1	N/A	MEM2600XM-16U32FS	16 to 32 MB Flash Factory Upgrade for the Cisco 2600XM	\$ -	39%	\$ -	\$ -
PWR-2600-AC=							
1	N/A	PWR-2600-AC=	Cisco 2600/2600XM AC power supply spare	\$ 125.00	39%	\$ 76.25	\$ 76.25
CISCO3745 (Replaces 3640)							
1	N/A	CISCO3745	3700 Series, 4-Slot, Dual FE, Multiservice Access Router	\$12,000.00	39%	\$ 7,320.00	\$ 7,320.00
1	N/A	PWR-3745-AC	AC Power Supply for the Cisco 3745	\$ -	39%	\$ -	\$ -
1	N/A	CAB-AC	Power Cord,110V	\$ -	39%	\$ -	\$ -
1	N/A	S374A-12213T	Cisco 3745 Series IOS ENTERPRISE PLUS	\$ 2,000.00	39%	\$ 1,220.00	\$ 1,220.00
1	N/A	NM-1FE2W-V2	1 10/100 Ethernet with 2 WAN Card Slot Network Module	\$ 2,300.00	39%	\$ 1,403.00	\$ 1,403.00
1	N/A	WIC-1DSU-T1	1-Port T1/Fractional T1 DSU/CSU WAN Interface Card	\$ 1,000.00	39%	\$ 610.00	\$ 610.00
1	N/A	CAB-V35MT	V.35 Cable, DTE, Male, 10 Feet	\$ 100.00	39%	\$ 61.00	\$ 61.00
PWR-3640-AC=							
1	N/A	PWR-3640-AC=	AC Power Supply for the Cisco 3640	\$ 500.00	39%	\$ 305.00	\$ 305.00
CISCO3745 (Replaces 3882)							
1	N/A	CISCO3745	3700 Series, 4-Slot, Dual FE, Multiservice Access Router	\$12,000.00	39%	\$ 7,320.00	\$ 7,320.00
1	N/A	PWR-3745-AC	AC Power Supply for the Cisco 3745	\$ -	39%	\$ -	\$ -
1	N/A	CAB-AC	Power Cord,110V	\$ -	39%	\$ -	\$ -
1	N/A	S374A-12213T	Cisco 3745 Series IOS ENTERPRISE PLUS	\$ 2,000.00	39%	\$ 1,220.00	\$ 1,220.00
SPARES							
1	N/A	EM-HDA-8FXS=	8-port voice/fax expansion module - FXS	\$ 1,500.00	39%	\$ 915.00	\$ 915.00
1	N/A	EM-HDA-4FXO=	4-port voice/fax expansion module - FXO	\$ 1,000.00	39%	\$ 610.00	\$ 610.00
1	N/A	VVIC-1MFT-T1=	1-Port RJ-48 Multiflex Trunk - T1	\$ 1,300.00	39%	\$ 793.00	\$ 793.00
1	N/A	PWR-3660-AC=	AC Power Supply for the Cisco 3660	\$ 500.00	39%	\$ 305.00	\$ 305.00
CISCO7206VXR							
1	N/A	CISCO7206VXR	Cisco 7206VXR, 6-slot chassis, 1 AC Supply w/IP Software	\$ 7,000.00	39%	\$ 4,270.00	\$ 4,270.00
1	N/A	PWR-7200	Cisco 7200 AC Power Supply Option	\$ -	39%	\$ -	\$ -
1	N/A	CAB-AC	Power Cord,110V	\$ -	39%	\$ -	\$ -
1	N/A	S72C-12114E	Cisco 7200 Series IOS IP	\$ -	39%	\$ -	\$ -
1	N/A	C7200-I/O-2FE/E	Cisco 7200 Input/Output Controller with Dual 10/100 Ethernet	\$ 3,400.00	39%	\$ 2,074.00	\$ 2,074.00
1	N/A	MEM-I/O-D-FLD48M	Cisco 7200 I/O PCMCIA Flash Disk, 48 MB Option (Default)	\$ -	39%	\$ -	\$ -
1	N/A	NSE-1	Network Services Engine 1 (Last day to order: March 2, 2004)	\$12,000.00	39%	\$ 7,320.00	\$ 7,320.00
1	N/A	MEM-SD-D-NPE-128MB	128MB Memory for NPE-225/NPE-300/NSE-1, Default	\$ -	39%	\$ -	\$ -
VIP4-50=							
12	N/A	VIP4-50=	Versatile Interface Processor 4, Model 50	\$11,000.00	39%	\$ 6,710.00	\$ 80,520.00
12	N/A	MEM-VIP4-64M-SD	64 MB SDRAM Option for VIP4 (Default)	\$ -	39%	\$ -	\$ -
SPARES							
1	N/A	PA-4E=	4-Port Ethernet 10BaseT Port Adapter	\$ 4,500.00	39%	\$ 2,745.00	\$ 2,745.00
1	N/A	PA-T3+=	1 Port T3 Serial Port Adapter Enhanced	\$ 8,500.00	39%	\$ 5,185.00	\$ 5,185.00
1	N/A	PA-FE-TX=	1-Port Fast Ethernet 100BaseTx Port Adapter	\$ 2,500.00	39%	\$ 1,525.00	\$ 1,525.00
20	N/A	PA-8T-V35=	8-Port Serial, V.35 Port Adapter	\$ 8,000.00	39%	\$ 4,880.00	\$ 97,600.00
WS-C2950G-48-EI							
1	N/A	WS-C2950G-48-EI	Catalyst 2950, 48 10/100 with 2 GBIC slots, Enhanced Image	\$ 4,495.00	39%	\$ 2,741.95	\$ 2,741.95
1	N/A	CAB-AC	Power Cord,110V	\$ -	39%	\$ -	\$ -
WS-C3550-48-EFI							
1	N/A	WS-C3550-48-EFI	48-10/100 and 2 GBIC ports:Enhanced Multilayer SW Image	\$ 6,990.00	39%	\$ 4,263.90	\$ 4,263.90
1	N/A	CAB-AC	Power Cord,110V	\$ -	39%	\$ -	\$ -
WS-C4503							
1	N/A	WS-C4503	Catalyst 4500 Chassis (3-Slot),fan, no p/s	\$ 995.00	39%	\$ 606.95	\$ 606.95
1	N/A	PWR-C45-1000AC	Catalyst 4500 1000W AC Power Supply (Data Only)	\$ 995.00	39%	\$ 606.95	\$ 606.95
1	N/A	CAB-7KAC	AC Power Cord North America	\$ -	39%	\$ -	\$ -
1	N/A	WS-X4013	Catalyst 4000 Supervisor II, Console(RJ45),Mgt.(RJ45)	\$ 5,995.00	39%	\$ 3,656.95	\$ 3,656.95
1	N/A	SC4K-SUPK8-7.4.1	Catalyst 4K Supervisor Flash Image, Release 7.4.1	\$ -	39%	\$ -	\$ -
1	N/A	WS-X4124-FX-MT	Catalyst 4500 FE Switching Module, 24- 100FX (MTRJ)	\$ 9,995.00	39%	\$ 6,096.95	\$ 6,096.95
WS-C6509							
1	N/A	WS-C6509	Cat 6509 Chassis, 9slot, 15RU, No Pow Supply, No Fan Tray	\$ 9,500.00	39%	\$ 5,795.00	\$ 5,795.00
1	N/A	SC6K-SUP-5.5.17	Catalyst 6000 Supervisor 1 Flash Image, Release 5.5.17	\$ -	39%	\$ -	\$ -
1	N/A	WS-X6K-SUP1A-2GE	Catalyst 6000 Supervisor Engine1A, Enhanced QoS, 2GE	\$ 5,995.00	39%	\$ 3,656.95	\$ 3,656.95
1	N/A	WS-X6324-100FX-MM	Catalyst 6000 24-port 100FX, Enh QoS, MT-RJ, MMF	\$14,995.00	39%	\$ 9,146.95	\$ 9,146.95
1	N/A	WS-X6408A-GBIC	Catalyst 6000 8-port GE, Enhanced QoS (Req. GBICs)	\$ 9,995.00	39%	\$ 6,096.95	\$ 6,096.95
1	N/A	WS-X6348-RJ-45	Catalyst 6500 48-port 10/100, Upgradable to Voice, RJ-45	\$12,995.00	39%	\$ 7,926.95	\$ 7,926.95
1	N/A	WS-C6K-9SLOT-FAN	Catalyst 6000 Fan Tray for 9-Slot Systems	\$ 495.00	39%	\$ 301.95	\$ 301.95
1	N/A	WS-CAC-2500W	Catalyst 6000 2500W AC Power Supply	\$ 6,000.00	39%	\$ 3,660.00	\$ 3,660.00
1	N/A	CAB-AC-2500W-US1	Power Cord, 250Vac 20A, straight blade NEMA 6-20 plug, US	\$ -	39%	\$ -	\$ -
1	N/A	WS-X6608-T1=	Catalyst 6000 8 port Voice T1 and Services Module	\$19,995.00	39%	\$ 12,196.95	\$ 12,196.95
5	N/A	WS-G5484=	1000BASE-SX Short Wavelength GBIC (Multimode only)	\$ 500.00	39%	\$ 305.00	\$ 1,525.00
WS-F6K-MSFC2=							
1	N/A	WS-F6K-MSFC2=	Catalyst 6000 Multilayer Switch Feature Card (MSFC)II, Spare	\$15,495.00	39%	\$ 9,451.95	\$ 9,451.95
1	N/A	MEM-MSFC2-128MB	Catalyst 6000 MSFC-2 Mem, 128MB DRAM Option	\$ -	39%	\$ -	\$ -

1	N/A	S6MSF2ZV-12113E	Catalyst 6000 MSFC2 IOS SERVICE PROVIDER W/VIP	\$ -	39%	\$ -	\$ -
FlexWAN Module for Cisco 7600 / Catalyst 6000							
1	N/A	WS-X6182-2PA=	FlexWAN Module for Cisco 7600 / Catalyst 6000	\$15,000.00	39%	\$ 9,150.00	\$ 9,150.00
						Equip. Total: \$ 316,068.45	
MAINTENANCE							
1	N/A	CON-SNT-NMCIDS	SmartNet 8x5xNBD Intrusion Detection System Network Module	\$ 400.00	10%	\$ 360.00	\$ 360.00
1	N/A	CON-SNT-1721	8x5xNBD Svc, 10/100BaseT Modular Router w/2 WAN slots	\$ 96.00	10%	\$ 86.40	\$ 86.40
1	N/A	CON-SNT-26XX	SMARTnet 8x5xNBD for Cisco26XX	\$ 392.00	10%	\$ 352.80	\$ 352.80
1	N/A	CON-SNT-3745	8x5xNBD Svc, Cisco3745 4 slot Appl.Svs Rtr	\$ 1,750.00	10%	\$ 1,575.00	\$ 1,575.00
1	N/A				10%	\$ -	\$ -
1	N/A	CON-SNT-7206	SMARTnet 8x5xNBD for Cisco 7206 Modular Router	\$ 3,150.00	10%	\$ 2,835.00	\$ 2,835.00
1	N/A	CON-SNT-C2950G48	8x5xNBD Svc, WS-C2950G-48	\$ 290.00	10%	\$ 261.00	\$ 261.00
1	N/A	CON-SNT-C3550-48E	8x5xNBD Svc, 48-10/100 and 2 GBIC ports:Enhanced Mult	\$ 427.00	10%	\$ 384.30	\$ 384.30
1	N/A	CON-SNT-WS-C4503	8x5xNBD Svc^ Catalyst 4503R Series Modular Switch	\$ 1,680.00	10%	\$ 1,512.00	\$ 1,512.00
1	N/A	CON-SNT-WS-C6509	8x5xNBD Service,Catalyst 6509	\$ 6,500.00	10%	\$ 5,850.00	\$ 5,850.00
						Maint. Total: \$ 13,216.50	

Make Purchase Order To:  
SBC DataComm  
17655 Von Karman Room 100  
Irvine, CA 92606  
Phone: 949-838-8138  
Fax: 949-251-1770

Summary:

Equip. Total:	\$ 316,068.45
Maint. Total:	\$ 13,216.50
Taxes@ 7.75%:	\$ 24,495.30
Est. Freight:	\$ -
* Freight May Vary	
<b>Grand Total:</b>	<b>\$ 353,780.25</b>