

VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL WORKSHOP
JANUARY 13, 2009 AGENDA

SUBJECT:	TYPE:	SUBMITTED BY:
Upgrading Fire Department Network Connection	✓ Resolution Ordinance Motion Discussion Only	Liangfu Wu Director of Information Services

SYNOPSIS

A resolution has been prepared to approve the purchase and installation of wireless network equipment from Sentinel Technologies, Inc. in an amount not to exceed \$44,318.00.

STRATEGIC PLAN ALIGNMENT

The Five Year Plan Goals for 2008-2013 identified *Top Quality Village Infrastructure and Facilities*. An objective includes *Village Facilities: Operating Efficiently, Promoting Productivity, and Supporting Effective Customer Friendly Services*.

FISCAL IMPACT

This project is unbudgeted but will be paid for out of the PrimeCo funds.

RECOMMENDATION

Approval on the January 20, 2009, consent agenda.

BACKGROUND

Currently, two of the four village fire stations (stations 1 and 3) are connected to Village Hall via T1 lines leased from AT&T. These data lines are extremely slow (1.54 Mbps) and no longer meet the requirements of the Village. The other two stations are connected by point-to-point wireless (station 5) and fiber optic cable (station 2) with data connection speeds of 20Mbps and 1000Mbps respectively. The goal of this project is to replace the remaining T1 data lines with point-to-point wireless connections to bring stations' 1 and 3 data connection speeds more in line with the other two fire stations.

The project started with a site survey to determine the technical feasibility of wireless connection for the two locations. Based on the site survey result, on November 21st, the Village issued an RFP. Two vendors responded. A summary of the two cost proposals is provided in the table below:

Vendor	Cost
Sentinel Technologies	\$ 44,318.00
Current Technologies	\$ 58,813.92

The proposal from Sentinel Technologies, Inc. meets the Village's requirements and offers a lower cost. Sentinel currently provides services to the Village and has performed very well.

ATTACHMENTS

Resolution
 Selected vendor's RFP response

RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING EXECUTION OF AN
AGREEMENT BETWEEN THE VILLAGE OF DOWNERS GROVE
AND SENTINEL TECHNOLOGIES, INC.**

BE IT RESOLVED by the Village Council of the Village of Downers Grove, DuPage County, Illinois,
as follows:

1. That the form and substance of a certain Agreement (the “Agreement”), between the Village of Downers Grove (the “Village”) and Sentinel Technologies, Inc. (the “Proposer”), for wireless data links, as set forth in the form of the Agreement submitted to this meeting with the recommendation of the Village Manager, is hereby approved.

2. That the Village Manager and Village Clerk are hereby respectively authorized and directed for and on behalf of the Village to execute, attest, seal and deliver the Agreement, substantially in the form approved in the foregoing paragraph of this Resolution, together with such changes as the Manager shall deem necessary.

3. That the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform all obligations and commitments of the Village in accordance with the provisions of the Agreement.

4. That all resolutions or parts of resolutions in conflict with the provisions of this Resolution are hereby repealed.

5. That this Resolution shall be in full force and effect from and after its passage as provided by law.

Mayor

Passed:

Attest: _____
Village Clerk

IV. PROPOSAL/CONTRACT FORM

*****THIS PROPOSAL, WHEN ACCEPTED AND SIGNED BY AN AUTHORIZED SIGNATORY OF THE VILLAGE OF DOWNERS GROVE, SHALL BECOME A CONTRACT BINDING UPON BOTH PARTIES.**

Entire Block Must Be Completed When A Submitted Bid Is To Be Considered For Award

PROPOSER:

Sentinel Technologies, Inc.
Company Name

Date: 11/19/09

2550 Warrenville Road
Street Address of Company

trico@sentinel.com
Email Address

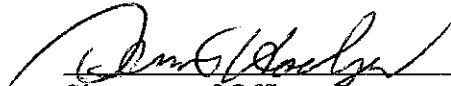
Downers Grove, Il 60515
City, State, Zip

Tim Rico
Contact Name (Print)

630-769-4271
Business Phone


800-860-8102
24-Hour Telephone

630-769-1399
Fax


Signature of Officer, Partner or
Sole Proprietor

Dennis Hoelzer, President
Print Name & Title

ATTEST: If a Corporation


Signature of Corporation Secretary

VILLAGE OF DOWNERS GROVE:

Authorized Signature

ATTEST:

Title

Signature of Village Clerk

Date

Date

In compliance with the specifications, the above-signed offers and agrees, if this Proposal is accepted within **90** calendar days from the date of opening, to furnish any or all of the services upon which prices are quoted, at the price set opposite each item, delivered at the designated point within the time specified above.

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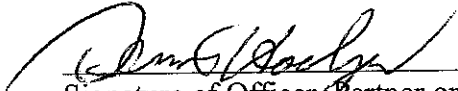
Downers Grove, IL 60515
City, State, Zip

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Signature of Officer, Partner or Sole Proprietor

Dennis Hoelzer, President
Print Name & Title

ATTEST: If a Corporation

Signature of Corporation Secretary

VILLAGE OF DOWNERS GROVE:

Authorized Signature

ATTEST:

Title

Signature of Village Clerk

Date

Date

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CAMPAIGN DISCLOSURE CERTIFICATE

Any contractor, proposer, bidder or vendor who responds by submitting a bid or proposal to the Village of Downers Grove shall be required to submit with its bid submission, an executed Campaign Disclosure Certificate, attached hereto.

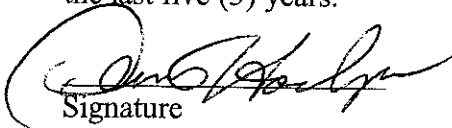
The Campaign Disclosure Certificate is required pursuant to the Village of Downers Grove Council Policy on Ethical Standards and is applicable to those campaign contributions made to any member of the Village Council.

Said Campaign Disclosure Certificate requires any individual or entity bidding to disclose campaign contributions, as defined in Section 9-1.4 of the Election Code (10 ILCS 5/9-1.4), made to current members of the Village Council within the five (5) year period preceding the date of the bid or proposal release.

By signing the bid documents, contractor/proposer/bidder/vendor agrees to refrain from making any campaign contributions as defined in Section 9-1.4 of the Election Code (10 ILCS 5/9-1.4) to any Village Council member and any challengers seeking to serve as a member of the Downers Grove Village Council.

Under penalty of perjury, I declare:

Bidder/vendor has not contributed to any elected Village position within the last five (5) years.


Signature

Dennis Hoelzer
Print Name

Bidder/vendor has contributed a campaign contribution to a current member of the Village Council within the last five (5) years.

Print the following information:

Name of Contributor: _____
(company or individual)

To whom contribution was made: _____

Year contribution made: _____ Amount: \$ _____

Signature

Print Name



s e n t i n e l

Village of Downers Grove Outdoor Wireless RFP Fixed Wireless WAN Solution

Presented By:

Tim Rico
Sr Sales Executive
Sentinel Technologies, Inc.
630-769-4271
trico@sentinel.com

Architect:

Tim Gustafson
Solutions Architect
Sentinel Technologies, Inc.
414-536-9314
tigustaf@sentinel.com

Survey Labor

# of Links to Survey in Sequence	0	
# of Links to Survey Individually	0	
		<u>Survey Already Completed</u>
Survey Labor		

Wireless Radios & Equipment

Cisco Ethernet 802.11a 1400 Series Wireless Solution Link1 Village Hall to Fire Station 1	10,792.00	Links	1
Cisco Ethernet 802.11a 1400 Series Wireless Solution Link2 Village Hall to Fire Station 3 via Water Tower	21,584.00	Links	2
Equipment & Installation Budget	<u>32,376.00</u>	Total	<u><u>3</u></u>

Wireless Towers & Construction

Wireless Towers - If pre-survey, this is budgetary only and actual towers are determined during the survey process	6,542.00	Towers/Mounts	2
Equipment & Installation Budget	<u>6,542.00</u>	Total	<u><u>2</u></u>

Note: Towers above 130' require custom quotation and are not included.

Solution Maintenance & Support

Annual Maintenance NBD On-Site Link 1	1,800.00
Annual Maintenance NBD On-Site Link 2	3,600.00
Annual Maintenance Total	<u>5,400.00</u>

TOTAL PROJECT

Survey Total	Survey Already Completed
Wireless Equipment & Installation Total	32,376.00
Towers, Installation & Materials	6,542.00
Year One Onsite Maintenance & Support	5,400.00
Project Total	<u><u>44,318.00</u></u>

Plus applicable tax, shipping & handling

**Village of Downers Grove
Link1 VillageHall-FireSt1**



Cisco 1400 Series 802.11a

Description	Qty	Special Notes
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Cisco 1400 Series - Connectorized Model (Per Radio)

Aironet 1410 Wireless Bridge w/ N-Type Connector, FCC Cnfg	2	
AIR Line Cord North America	2	
Cisco 1410 Series IOS WIRELESS LAN	2	
Coax Cable	2	

Bundled Accessories

100-240 V power supply, power injector and grounding block, multifunction mount, 20 and 50 ft. cables, coaxial sealant, and anti-corrosion gel	2	
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Antennas for Connectorized Models

Outdoor long-range directional connections, 28dBi	2	
Radome Cover	2	
6 Foot Jumper Cable (required if using HG5829D)	2	

Professional Services

Per Radio Professional Services, Includes Mounting, Cable Run, Testing	2	
Data Engineer Support for Link Integration to Customer's Data Network - No re-routing, no load balancing, bridge setup-update-test only	2	

Project Management

Cisco Maintenance

Description	Qty	Special Notes
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Next Business Day Maintenance 8x5xNBD

Annual NBD 1400 Connector	2	
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Village of Downers Grove
Link2 VillageHall-FireSt3



Cisco 1400 Series 802.11a

Description	Qty	Special Notes
Cisco 1400 Series - Connectorized Model (Per Radio)		
Aironet 1410 Wireless Bridge w/ N-Type Connector, FCC Cnfg	4	
AIR Line Cord North America	4	
Cisco 1410 Series IOS WIRELESS LAN	4	
Coax Cable	4	
Bundled Accessories		
100-240 V power supply, power injector and grounding block, multifunction mount, 20 and 50 ft. cables, coaxial sealant, and anti-corrosion gel	4	
Antennas for Connectorized Models		
Outdoor long-range directional connections, 28dBi	4	
Radome Cover	4	
6 Foot Jumper Cable (required if using HG5829D)	4	
Professional Services		
Per Radio Professional Services, Includes Mounting, Cable Run, Testing	4	
Data Engineer Support for Link Integration to Customer's Data Network - No re-routing, no load balancing, bridge setup-update-test only	4	
Project Management		

Cisco Maintenance

Description	Qty	Special Notes
Next Business Day Maintenance 8x5xNBD		
Annual NBD 1400 Connector	4	

**Village of Downers Grove
Antenna Tower and Mounts**



Antenna Mounts/Towers		
Description	Qty	Special Notes

Antenna Mounts/Towers

16x16x8 NEMA	1	
10' Unistrur mount	2	
Bonding Clamp	5	
Ridge Mount	1	
Matting	1	
Mast	1	
Concrete block	12	
Rubber Mat	6	
Non-pen base	1	
Turnbuckle	4	
Tower section	1	
Tower section	2	
3/16 Dead end grip	8	
Hinge base plate	1	
Concrete block	24	
Wire Thimble	8	
Guy wire	1	
Pipe mount brkt	2	
Plain pipe 2-3/8x48	2	
Pipe ground clamp	2	
Ground wire	1	
Misc Hardware	1	

Professional Services

Tower and Mount Installation	1	
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Project Management