

DOVER PUBLIC WIRELESS INTERNET ACCESS PROJECT
 A Collaborative Effort of Dover Main Street, Greater Dover Chamber
 of Commerce and the City of Dover

Written by: Annie Dove Submitted: August 28, 2008



OVERVIEW

As of August 2008, the completion of the Dover Public Wireless Internet Access Project has been a great success. Three organizations were able to collaborate effectively with each other and with the Dover downtown community to launch a pilot program of offering public wireless internet access in the Dover downtown area.

WIRELESS LOCATIONS

New locations now offering public wireless internet access, advertised as “DoverNet Public Wireless” are as follows:

DoverNet Public Wireless	Hot Spot Name	Hot Spot Location
	Cocheco Falls Millworks	100 Main Street
	Henry Law Park	6 Washington Street
	Transportation Center	33 Chestnut Street
	McConnell Center Grounds	61 Locust Street

Further details about coverage areas and bandwidth testing results:

Location	Antenna Gain	Bandwidth Test	Range Description
Transportation Center	8.5dB	14MB down / 2MB up	Focus Area: Seating area, platform area to last benches. First row of cars. Two cars back.
Cocheco Falls Millworks	12dB	12MB down / 2MB up	Focus Area: Brick courtyard Five parking spots down First St Right to Cartelli's. Left to AT&T sign.
Henry Law Park	12dB	11MB down / 1.2MB up	Focus Area: Complete front park. Back to immediate/nearby section of river walk Half of playground closest to indoor pool building Out to Foster's red wall, lose signal at Mojitos.
McConnell Grounds	12dB	11MB down / 1.7MB up	Focus Area: Open green area from St Thomas Street bordering along Locust St, sidewalk closest to the McConnell building's front lawn area to Dover Public Library front lawn and picnic table area bordering along the paved foot path and tree line along the property to the library's front entrance.

802.11g – 54Mbps potential. dB gain is power that antenna adds to that provided by access point.

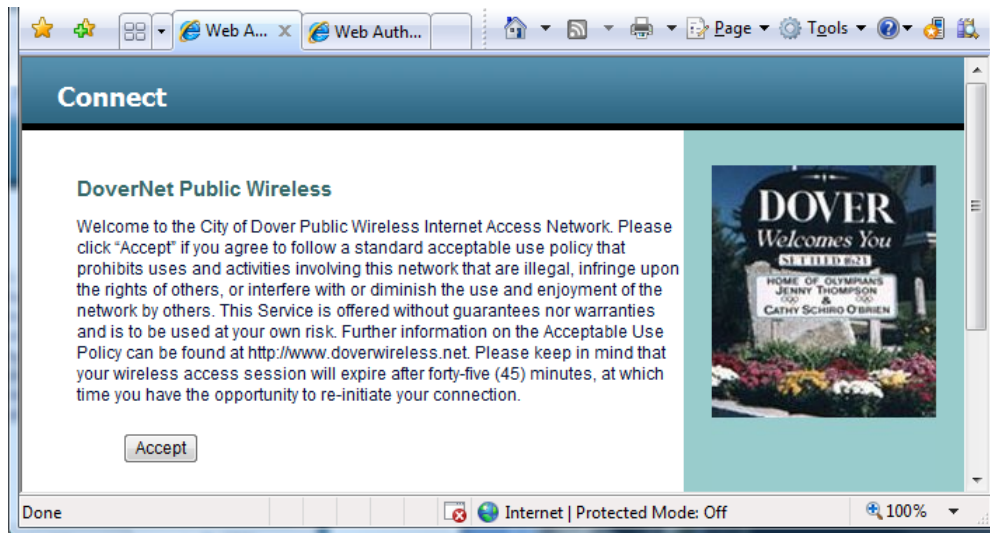
DOVER PUBLIC WIRELESS INTERNET ACCESS PROJECT
A Collaborative Effort of Dover Main Street, Greater Dover Chamber
of Commerce and the City of Dover

Written by: Annie Dove Submitted: August 28, 2008



WIRELESS EXPERIENCE

The following is a review of the downtown visitor/citizen experience. A laptop will first see a wireless network advertised as “DoverNet Public Wireless.” The user will connect to this network and then open their web browser. The user will be directed to the splash screen below and must click “Accept” to be granted Internet access.



Once the user clicks <Accept>, they will then be directed to the website, <http://www.doverwireless.net>. This site is currently hosted by the City of Dover and maintained collaboratively by the Dover Main Street and Greater Dover Chamber of Commerce organizations.





ADMINISTRATIVE EXPERIENCE

The advantage to this solution is the ability to centrally manage and monitor these new wireless locations. You will see a screen shot of the management interface below.

The screenshot shows the Cisco WLC Monitor page. The top navigation bar includes 'MONITOR', 'WLANs', 'CONTROLLER', 'WIRELESS', 'SECURITY', 'MANAGEMENT', 'COMMANDS', and 'HELP'. The 'MONITOR' tab is selected. On the left, a sidebar menu lists 'Monitor', 'Summary', 'Access Points', 'Statistics', 'CDP', 'Rogues', 'Clients', and 'Multicast'. The main content area is titled 'Clients' and shows a table of client information. The table has columns for 'Client MAC Addr', 'AP Name', 'WLAN Profile', 'Protocol', and 'Status'. There are 7 entries shown, with the first three having 'Unknown' for AP Name and Protocol, and the last four having 'DoverNet Public Wireless' for AP Name and '802.11g' for Protocol. The status for all entries is 'Probing' or 'Associated'.

Client MAC Addr	AP Name	WLAN Profile	Protocol	Status
[REDACTED]	Unknown	Unknown	802.11b	Probing
[REDACTED]	Unknown	Unknown	802.11b	Probing
[REDACTED]	Unknown	Unknown	802.11b	Probing
[REDACTED]	DoverNet Public Wireless	DoverNet Public Wireless	802.11g	Associated
[REDACTED]	Unknown	Unknown	802.11b	Probing
[REDACTED]	Unknown	Unknown	802.11b	Probing
[REDACTED]	Unknown	Unknown	802.11b	Probing

RESOURCES REQUIRED

An important component to this project was the utilization of grant monies from the New Hampshire Division of Economic Development Telecom and Technology Matching Grant program as well as a Comcast technology grant. One of the goals of this project was to serve as a model to other local communities in executing a phased approach to deployment. To provide the most complete roadmap for other communities to use as a resource, the City of Dover [Request for Proposal B08080](#), the City of Dover [Resolution R-2008.05.28-076](#) and a spreadsheet outlining all capital and labor costs incurred throughout project are included in the appendix.

CONCLUSION

In review, the Dover Public Wireless Internet Access Project has been a great success to date. We have learned a lot in working with wireless installers and downtown business owners in the deployment of wireless hardware solutions.

Our future project goals are to complete a media release informing the public of this new service as well as monitoring the system to learn how often and how much is used. We can then adjust future plans based on these results.

This has been a positive collaborative effort between the Dover Main Street program, Greater Dover Chamber of Commerce and the City of Dover. We would also like to recognize the efforts of the Dover downtown community, wireless vendor, and the grant providers for their contributions.

DOVER PUBLIC WIRELESS INTERNET ACCESS PROJECT
A Collaborative Effort of Dover Main Street, Greater Dover Chamber
of Commerce and the City of Dover

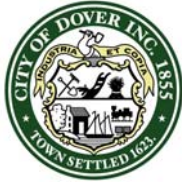
Written by: Annie Dove Submitted: August 28, 2008



APPENDIX

The appendix includes:

1. Public Wireless Internet Access Request for Proposal B08080 with Addendums
2. Results from Public Wireless Internet Access Request for Proposal B08080
3. Public Wireless Internet Access Resolution R-2008.05.28-076 approved by the Dover City Council
4. Detailed report of actual labor and capital investment for the Dover Public Wireless Internet Access Project



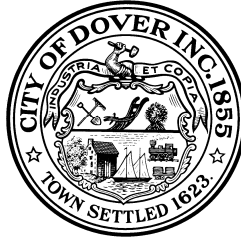
CITY OF DOVER

REQUEST FOR BID, PROPOSAL, QUOTATION

Request Type Proposal Number: **B08080**
Title **Public Wireless Internet Access Project**
Date Wednesday, April 16, 2008

DANIEL R. LYNCH
Finance Director
d.lynch@ci.dover.nh.us

ANN M. LEGERE
Purchasing Agent
a.legere@ci.dover.nh.us



288 Central Avenue
Dover, New Hampshire 03820-4169

(603) 516-6030
Fax: (603) 516-6097
www.ci.dover.nh.us

City of Dover, New Hampshire

OFFICE OF THE FINANCE DIRECTOR

April 16, 2008

REQUEST FOR PROPOSAL #B08080 City of Dover Wireless Internet Access Project

You are cordially invited to submit a Proposal for the City of Dover Public Wireless Internet Access project in accordance with the attached specifications, terms and conditions. Prospective respondents are advised to read this information over carefully prior to submitting a proposal.

Two copies of the Technical/Qualifications Proposal must be submitted in a sealed envelope, plainly marked:

RFP #B08080 – City of Dover Wireless Internet Access Project

**Purchasing Office
288 Central Ave
Dover NH 03820**

All proposals/bids must be received by **April 30, 2008 at 2:00 p.m. EST**

An optional pre-proposal meeting will be held on Wednesday, April 23, 2008 at 2:00 pm at City of Dover City Hall, City Manager's Office. From there we will walk to three proposed wireless locations.

Ann M. Legere
Purchasing Agent

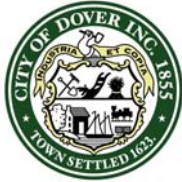
AML:ald
Attachments

***IMPORTANT:** If you are not interested in submitting a quotation on this particular bid request, but wish to remain on our active bid list, please sign and return the attached form with a NO BID indication. Failure to respond in this manner will result in deletion from our bid list.

Vendors wishing to respond to a bid request with alternates to specifications must notify the Purchasing Office no less than five (5) days prior to the bid request opening date. If the proposed changes are acceptable, the City will advise other potential respondents, thereby maintaining equality in the bid process. Failure to advise the City could result either in rejection of the alternate proposal or in an untimely extension of the sealed bid process.

Vendors may be asked, as part of the bid evaluation process, to supply company financial information. This data will be held in the strictest confidence and be utilized only to help assess the stability of a responding firm. The records will be returned to you after identifying the successful respondent to the bid request.

Filename: B08080 RFP.PublicWirelessInternetAccess.doc



CITY OF DOVER

REQUEST FOR BID, PROPOSAL, QUOTATION

Request Type Proposal Number: B08080
Title Public Wireless Internet Access Project
Date Wednesday, April 16, 2008

BID, RFP AND QUOTE TERMS AND CONDITIONS

- BID ACCEPTANCE AND REJECTIONS:** The City of Dover reserves the right to accept any bid, and to reject any or all bids; to award the bid to other than the low bidder if deemed "bid most advantageous to the City"; to accept the bid on one or more items of a proposal, on all items of a proposal or any combination of items of a proposal and to waive any defects in bids.
- FINAL BID PRICE:** Terms and FOB point are always part of the bid. FOB POINT IS ALWAYS TO BE DOVER, NH UNLESS OTHERWISE INDICATED BY THE BIDDER. IT IS THE BIDDER'S RESPONSIBILITY TO SO DESIGNATE A FOB POINT OTHER THAN DOVER. If the bidder has any special payment or delivery clauses which could effect the final delivery price of an item up for bid, that too shall be made part of the bid. If, however, this is not included in the bid, the seller will be solely responsible for any increased prices due to any circumstances.
- LATE PROPOSALS/BIDS:** Any bids received after specified date and time will not be considered, nor will late bids be opened.
- PAYMENT TERMS:** It is the custom of the City of Dover to pay its bills within 20 - 30 working days following delivery of, and receipt for, all items covered by the purchase order. In submitting bids under these specifications, bidders should take into account all discounts, both trade and time, allowed in accordance with the above payment policy.
- BRAND NAMES:** When the item is offered of a brand that is not known for use and/or reputation and financial stability is not well and favorably known to these officials, bids on such unknown brand may be rejected because of this lack of knowledge alone. Prospective bidders with such unknown brand should give information concerning it to the City Purchasing Agent so that it may be checked into for bids for the coming year. The bidder will state in the proposal the brand name and any guarantees of the material he/she proposes to furnish. The brand name is to be for the material that meets all specifications.
- SUBCONTRACTORS:** Where a project involves utilizing subcontractors, and the project is completed satisfactorily, the City of Dover reserves the right to request proof of payment to subcontractors by the general contractor prior to making final payment to the general contractor.
- PROPER DOCUMENTATION:** Any respondent to a bid request should sign off on and return to the Purchasing Department the original Bid Documentation Package which explains the scope of the bid request. Said signature, in the spaces provided, indicates receipt of, familiarity with and understanding of, and acceptance of the specifications provided, except as otherwise noted by the respondent.
- BID RESULTS:** The Purchasing Office will NOT respond to phone inquiries for Bid Results, other than to identify the apparent low bidder and his total bid price quotation. Individuals or company representatives may secure a comprehensive bid analysis of a particular bid request by either attending a bid opening (which is open to all interested parties); by coming to City Hall after a bid opening and asking to look through the file; by visiting our website at www.ci.dover.nh.us, or by sending a written request for the bid analysis along with a self-addressed stamped envelope.

SECTION B – Project Description

Instructions: (Type an answer to each of the following questions in the space provided. If more space is required, attach 8 ½ X 11 pages clearly referencing the number of the question being answered on each page).

1. **State the objectives** of the proposed project; be specific.

With the pervasive use of wireless-enabled devices by citizens within the City of Dover and the larger community, the demand exists for access to the Internet anytime, anywhere from a variety of devices. The objective of this City of Dover Public Wireless Internet Access Project is to extend both the opportunities and convenience of Internet access to a wide spectrum of both residents and visitors to the City of Dover.

The City of Dover has a centralized downtown community containing historic mill buildings, the Cocheco River, and variety of residential, retail and commercial entities. The localized nature of the space along with the variety of potential uses for the area makes it a prime candidate for deployment of public wireless Internet access.

The core strength of this project is the collaboration of effort from the City of Dover, the Greater Dover Chamber of Commerce and the Dover Main Street organizations. “The Greater Dover Chamber of Commerce is a not-for-profit association of business and industry, professionals, individuals, and organizations working together to advance the economic well-being of its members and the community.”¹ The Greater Dover Chamber of Commerce has a strong and active membership of over five-hundred (500) local businesses in the Greater Dover area. The Dover Main Street program states “...the underlying premise of the Main Street approach is summed up in the program goals—to encourage economic development, within the context of historic preservation, that is appropriate to today’s market place. If a long-term revitalization effort is to succeed, it will require careful attention to every aspect of downtown—a process that takes time and requires leadership and local capacity building. The Main Street program should be seen as one of many tools that a community utilizes to generate economic and entrepreneurial growth.”²

The Greater Dover Chamber of Commerce and Dover Main Street will be both significant contributors and beneficiaries of the Public Wireless Internet Access project. These organizations will help to identify and facilitate working with downtown businesses that offer the best locations for wireless technology deployment. These organizations will also design and maintain a portal, a webpage that all devices will initially view when connecting to the public wireless network.

The stated goal of substantial economic gains goes beyond the immediate solution of advertising local business and events to visitors of the downtown area. Deployment of public wireless Internet access at the Dover Arena and Dover Public Library would enhance resources that currently serve a regional population. Deployment at two local community centers, the McConnell Center and Seymour Osmond Community Center, would assist residents in maximizing their existing and potential contributions to the community. Finally, this project would include deploying access for the benefit of selected schools with heavily used public parks. This will allow residents the opportunity to stay connected and engaged in their local community in a variety of public settings.

Lastly, the City of Dover Public Wireless Internet Access Project will serve as a model to other local communities in the phased deployment of wireless Internet access using both proven leading-edge technologies and readily available services in our community. As this solution is both centrally-managed and scalable, other communities will be able to take advantage of this solution regardless of their size.

By laying the foundation with this City of Dover Public Wireless Internet Project, we are excited to see the entrepreneurial spirit of local residents, businesses and visitors take off!

¹ Greater Dover Chamber of Commerce: <https://www.dovernh.org>

² Dover Main Street: <http://www.dovermainstreet.org/?cs=about&bd=who>

ECONOMIC DEVELOPMENT TELECOM & TECHNOLOGY MATCHING GRANTS APPLICATION

2. **Describe** the proposed project in detail.

This overall project will include one (1) central management center located in a municipal building and sixteen (16) public wireless Internet access locations throughout the City of Dover. Reference the table below for the targeted list of wireless access point (WAP) locations. **This grant application will be used to implement Phase 1 of this overall project.** Phase 1 will include provisioning of wireless Internet access throughout the City of Dover downtown area.

Phase 1	WAP	Downtown	Approximate Location
	1	DT1: Café on the Corner / HRRCU	490 Central Avenue
	2	DT2: Cocheco Mill	431 Central Avenue
	3	DT3: TD BankNorth	353 Central Avenue
	4	DT4: Washington Mill	1 Washington Street
Phase 2	WAP	Municipal/School Campus & Community Centers	Approximate Location
	5	City Hall	288 Central Ave
	6	McConnell Building	61 Locust Street
	7	Dover Public Library	73 Locust Street
	8	Butterfield Gym (Indoor Pool) / Henry Law Park	6 Washington Street
	9	Dover Arena / Jenny Thompson (Outdoor) Pool	110 Portland Ave
	10	Seymour Osmond Community Center (SOCC)	40 Hampshire Circle
Phase 3	WAP	Schools, Dover North End, Dover Point/Hilton Park	Approximate Location
	11	Dover High School / Alternative School	25 Alumni Drive
	12	Garrison Elementary School	50 Garrison Road
	13	Horne Street Elementary School	78 Horne Street
	14	Woodman Park Elementary School	11 Towle Avenue
	15	Dover North End - Strafford Farms	New Rochester Road
	16	Dover Point/ Hilton Park - Leighton Way	Leighton Way

Each location will be supplied with dedicated broadband Internet access. Comcast Workplace Lite with service of 4MB download and 384K upload will be used. A Cisco 4402 Wireless LAN Controller will be installed at the central management center. “By automating WLAN configuration and management functions, network managers have the control, security, redundancy, and reliability needed to cost-effectively scale and manage their wireless networks...”³ This management center will be served by two Comcast Workplace Premium circuits, each with 8MB download and 1MB upload speeds. Cisco Aironet 1300 Series Outdoor Access Points and required accessories will be deployed to all wireless locations.

A vendor will be selected to conduct site surveys of the locations listed. [Four (4) locations for Phase 1.] The locations above may shift if we find that fewer or lesser wireless access locations are required for coverage of the areas above as based on the site survey. The selected vendor will install wireless access points in the recommended locations as based on the site survey.

Installation will follow a phased approach.

Phase 1: **Concept/Downtown Phase.** Installation of centralized management station with four (4) downtown access points. One Workplace Premium circuit will be installed at the management location for Phase 1.

Phase 2: **Municipal/School Campus, Community Centers.** Installation of six (6) additional wireless access points.

Phase 3: **Schools and Parks.** Installation of six (6) final wireless access points.

³ Cisco Systems: http://www.cisco.com/en/US/products/ps6366/products_data_sheet0900aecd802570b0.html

3. **List** other partners involved in the project:

The Greater Dover Chamber of Commerce, Dover Main Street, Cisco Systems, Comcast, Sideband Systems, CBE Technologies, Any vendor that participates in the City of Dover Request for Quotation process.

ECONOMIC DEVELOPMENT TELECOM & TECHNOLOGY MATCHING GRANTS APPLICATION

Page 4

3. Detailed Budget

I. **Income:** (Where will matching funds come from?).

<u>Source</u>	<u>Amount</u>
<u>City of Dover - Broadband Services, 2 yrs</u>	<u>\$9,720.00</u>
<u>City of Dover - Personnel</u>	<u>\$931.00</u>
<u>City of Dover – Contribution</u>	<u>\$5,714.56</u>
_____	_____
TOTAL:	\$ <u>16,366.00</u>

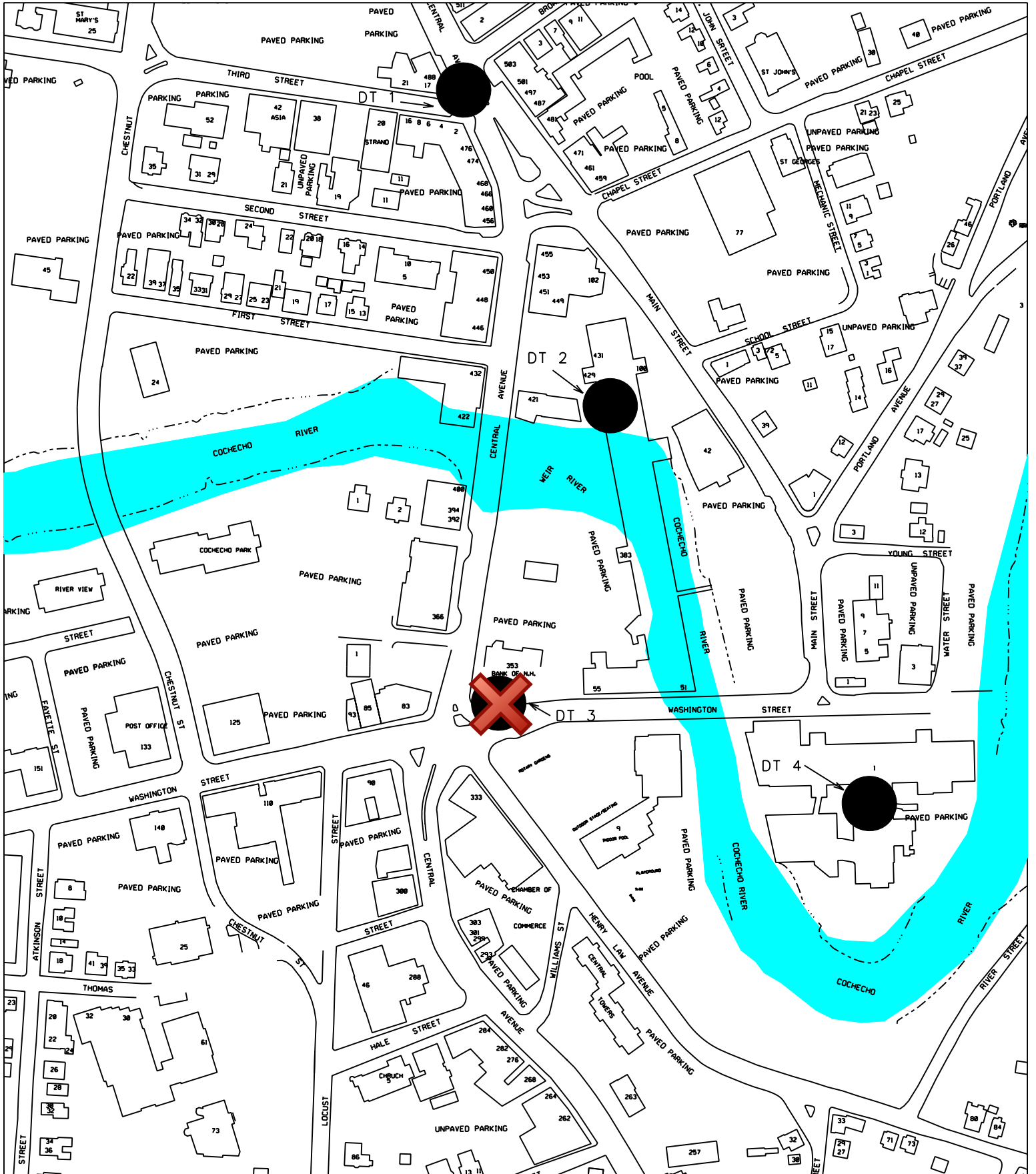
II. **Expenses:**

<u>Type of Expense</u>	<u>Amount</u>
<u>Cisco Equipment w 3 year Maintenance</u>	<u>\$18,316.00</u>
<u>Site Survey for Four (4) Locations</u>	<u>\$2,450.00</u>
<u>Installation for Four (4) Locations</u>	<u>\$5,600.00</u>
_____	_____
_____	_____
_____	_____
_____	_____
TOTAL:	\$ <u>26,366.00</u>

Total Project Cost: \$ 26,366.00 (Total from above of Expenses).

Entity Commitment: \$ 16,366.00 (Total from above Income and/or in-kind).

Grant Requested: \$ 10,000.00



Business Class and Commercial High-Speed Internet Acceptable Use Policy

Comcast may revise this Business Class and Commercial High-Speed Internet Acceptable Use Policy (the "AUP" or "Policy") from time to time with or without notice by posting a new version of this document on the Comcast Web site at <http://work.comcast.net/legal/aup.asp> (or any successor URL(s)). All revised copies of the Policy are effective immediately upon posting. Accordingly, customers and users of Comcast's Business Class and other commercial Internet services (collectively, the "Service") should regularly visit our web site and review this Policy to ensure that their activities conform to the most recent version.

It is Comcast's intent to provide our customers with the best high speed Internet service possible. In order to accomplish this task, we have adopted this Policy. This Policy outlines acceptable use of the Service, as well as permissible and prohibited conduct for using the Service. This Policy, including its customer use restrictions, is in addition to the restrictions contained in the agreements and terms and conditions applicable to the Service (collectively, the "Agreement") . All capitalized terms used in this AUP that are not defined here have the meanings given to them in the Agreement.

It is the responsibility of all Comcast Business Services and commercial customers, and all others who have access to Comcast's network, ("customer," "you," or "your") to comply with this AUP and all Comcast policies. As a Service customer, it is your responsibility to secure your equipment so that it is not subject to external threats such as viruses, spam, and other methods of intrusion. Failure to comply with these or any other Comcast policies could result in the suspension or termination of your Service. If you do not agree to comply with all of these policies including the AUP, you must immediately stop use of the Service and notify Comcast so that your account may be closed. In this case, termination or other charges may apply.

Note: Comcast reserves the right to immediately terminate the Service and the Agreement if you engage in any of the prohibited activities listed in this AUP or if you use the Comcast Equipment or Service in a way which is contrary to any Comcast policies or any of Comcast's suppliers' policies. In this case, termination or other charges may apply. You must strictly adhere to any policy set forth by another service provider accessed through the Service.

Prohibited Uses and Activities

Prohibited uses include, but are not limited to, using the Service, Customer-Provided Equipment, Comcast Equipment or any other equipment used in connection with the Service to:

Prohibited uses include, but are not limited to, using the Service, Customer-Provided Equipment, Comcast Equipment or any other equipment used in connection with the Service to:

i) undertake or accomplish any unlawful purpose. This includes, but is not limited to, posting, storing, transmitting or disseminating information, data or material which is libelous, obscene, unlawful, threatening, defamatory, or which infringes the intellectual property rights of any person or entity, or which in any way constitutes or encourages conduct that would constitute a criminal offense, give rise to civil liability, or otherwise violate any local, state, federal or international law, order or regulation;

ii) post, store, send, transmit, or disseminate any information or material which a reasonable person could deem to be objectionable, offensive, indecent, pornographic, abusive, harassing, threatening, embarrassing, distressing, vulgar, hateful, racially or ethnically offensive, or otherwise inappropriate, regardless of whether this material or its dissemination is unlawful;

iii) access any other person's computer or computer system, software, or data without their knowledge and consent; breach the security of another user; or attempt to circumvent the user authentication or security of any host, network, or account. This includes, but is not limited to, accessing data not intended for you, logging into or making use of a server or account you are not expressly authorized to access, or probing the security of other hosts, networks, or accounts;

iv) use or distribute tools designed or used for compromising security, such as password guessing programs, decoders, password gatherers, analyzers, cracking tools, packet sniffers, encryption circumvention devices, or Trojan Horse programs. Network probing or port scanning tools are only permitted when used to diagnose a problem with your local area network ("LAN"), or if explicitly authorized by the destination host and/or network. Unauthorized port scanning, for any reason, is strictly prohibited;

v) upload, post, publish, transmit, reproduce, create derivative works of, or distribute in any way information, software or other material obtained through the Service or otherwise which is protected by copyright or other proprietary right, without obtaining permission of the owner;

vi) copy, distribute, or sublicense any software provided in connection with the Service by Comcast or any third party, except that you may make one copy of each software program for back-up purposes only;

vii) restrict, inhibit, or otherwise interfere with the ability of any other person, regardless of intent, purpose or knowledge, to use or enjoy the Service, including, without limitation, posting or transmitting any information or software which contains a worm, virus, or other harmful feature, or generating levels of traffic sufficient to impede others' ability to send or retrieve information;

viii) restrict, inhibit, interfere with, or otherwise disrupt or cause a performance degradation, regardless of intent, purpose or knowledge, to the Service or any Comcast (or Comcast supplier) host, server, backbone network, node or service, or otherwise cause a performance degradation to any Comcast (or Comcast supplier) facilities used to deliver the Service;

ix) resell the Service or otherwise make available to anyone outside the Premises the ability to use the Service (i.e. wi-fi, "hotspots," or other methods of networking), in whole or in part, directly or indirectly, or on a bundled or unbundled basis, or resell the Service or otherwise make available to anyone inside the Premises the ability to use the Service except for users specifically authorized by Comcast in accordance with an applicable Service plan;

x) use the Service for operation as an Internet service provider or, unless done with Comcast's approval in accordance with an applicable Service plan, use the Service as an end-point on a non-Comcast local area network or wide area network;

xi) make the Service available to anyone other than you or your authorized employees or contractors (i.e. members of the public, customers of an establishment, hotel or motel guests and patrons, or persons in a residence hall or apartment building) unless done with Comcast's written approval in accordance with an applicable Service plan;

xii) transmit unsolicited bulk or commercial messages or "spam" in violation of law This includes, but is not limited to, unsolicited advertising, promotional materials or other solicitation material, bulk mailing of commercial advertising, chain mail, informational announcements, charity requests, and petitions for signatures;

xiii) send numerous copies of the same or substantially similar messages, empty messages, or messages which contain no substantive content, or send very large messages or files to a recipient that disrupts a server, account, newsgroup, or chat service;

xiv) distribute programs that remove locks or time-outs built into software (cracks);

xv) unless you subscribe to a Service plan that expressly provides for a static or statically assigned Internet protocol ("IP") address, run programs, equipment, or servers from the Premises that provide network content or any other services to anyone outside of your Premises LAN (Local Area Network), also commonly referred to as public services or servers. Examples of prohibited services and servers include, but are not limited to, e-mail, Web hosting, file sharing, and proxy services and servers;

xvi) initiate, perpetuate, or in any way participate in any pyramid or other illegal soliciting scheme;

xvii) participate in the collection of e-mail addresses, screen names, or other identifiers of others (without their prior consent), a practice sometimes known as spidering or harvesting, or participate in the use of software (including "spyware") designed to facilitate this activity;

xviii) collect responses from unsolicited messages;

xix) impersonate any person or entity, engage in sender address falsification, forge anyone else's digital or manual signature, or perform any other similar fraudulent activity;

xx) service, alter, modify, or tamper with the Comcast-Provided Equipment or Service or permit any other person to do the same who is not authorized by Comcast;

xxi) connect the Comcast-Provided Equipment to any computer outside of your Premises;

xxii) collect, or attempt to collect, personal information about third parties without their consent;

xxiii) interfere with computer networking or telecommunications service to any user, host or network, including, without limitation, denial of service attacks, flooding of a network, overloading a service, improper seizing and abuse of operator privileges and attempts to "crash" a host; and

xxiv) violate the rules, regulations, or policies applicable to any network, server, computer database, or web site that you access.

Security

You are responsible for any misuse of the Service, even if the misuse was committed by an employee, contractor, customer, or guest with access to your Service account. Therefore, you must take steps to ensure that others do not use your account to gain unauthorized access to the Service by, for example, strictly maintaining the confidentiality of your Service login and password. In all cases, you are solely responsible for the security of any device you choose to connect to the Service, including any data stored or shared on that device. Comcast recommends against enabling file or printer sharing of any sort unless you do so in strict compliance with all security recommendations and features provided by Comcast and the manufacturer of the applicable file or printer sharing devices. Any files or devices you choose to make available for shared access on a LAN, for example, should be protected with a strong password or as otherwise appropriate.

Inappropriate Content and Transmissions

Comcast reserves the right, but not the obligation, to refuse to transmit or post and to remove or block any information or materials, in whole or in part, that it, in its sole discretion, deems to be offensive, indecent, or otherwise inappropriate, regardless of whether this material or its dissemination is unlawful. Neither Comcast nor any of its affiliates, suppliers, or agents have any obligation to monitor transmissions or postings made on the Service. However, Comcast and its affiliates, suppliers, and agents have the right to monitor these transmissions and postings from time to time for violations of this Policy and to disclose, block, or remove them in accordance with the Agreement and any other applicable policies.

Electronic Mail

The Service may not be used to send unsolicited bulk or commercial messages in violation of law and may not be used to collect responses from unsolicited e-mail sent from accounts on other Internet hosts or e-mail services that violate this Policy or the acceptable use policy of any other Internet service provider. Moreover, unsolicited e-mail may not direct the recipient to any web site or other resource which uses the Service. Activities that have the effect of facilitating unsolicited commercial e-mail or unsolicited bulk e-mail in violation of law, whether or not the e-mail is commercial in nature, are prohibited. Forging, altering, or removing electronic mail headers is prohibited. You may not reference Comcast or the Comcast network (e.g. by including "Organization: Comcast" in the header or by listing an IP address that belongs to Comcast or the Comcast network) in any unsolicited e-mail even if that e-mail is not sent through the Comcast network or Service.

Comcast Service plans limit the storage of messages on Comcast's servers to a set number of days and may set a fixed upper limit on the number of messages that you may send or receive through the Service. Neither Comcast nor any of its suppliers shall have any liability for the deletion of, or failure to store, messages or of the mis-delivery of, failure to deliver or the untimely delivery of messages.

Comcast is not responsible for forwarding e-mail sent to any comcast.net or other Comcast provided e-mail account which has been suspended or terminated. This e-mail will either be returned to the sender, ignored, deleted, or stored temporarily at Comcast's sole discretion. In the event that Comcast believes in its sole discretion that any subscriber name, account name, or e-mail address

<http://www.comcast.com/corporate/business/terms1.html> as of March 13, 2008

Filename: 2007.10.01_BusinessClassandCommercialHighspeedInternetAUP.doc

(collectively, an "identifier") on the Service may be used for, or is being used for, any misleading, fraudulent, or other improper or illegal purpose, Comcast (i) reserves the right to block access to and prevent the use of any such identifier and (ii) may at any time require any customer to change his or her identifier. In addition, Comcast may at any time reserve any identifiers on the Service for Comcast's own purposes.

Newsgroups

Messages posted to newsgroups must comply with the written charters or FAQs for those newsgroups as well as any other terms and conditions applicable to any particular newsgroups or provider of newsgroups. Advertisements, solicitations, or other commercial messages should be posted only in those newsgroups whose charters or FAQs explicitly permit them. You are responsible for determining the policies of a given newsgroup before posting to it. Comcast reserves the right to discontinue access to any newsgroup at any time for any reason. Comcast Service plans limit the amount of newsgroup content that may be downloaded.

Instant Messages

You alone are responsible for the contents of your instant messages and the consequences of any instant messages. Comcast assumes no responsibility for the timeliness, mis-delivery, deletion or failure to store instant messages.

Web Site Hosting

As part of the Service, Comcast may provide you with web site hosting, access to web pages that you have developed, and storage space (collectively, "Comcast Web Site Hosting"), or under an applicable Service plan you may provide or obtain your own web site hosting and related services (collectively, "Customer Web Site Hosting"). You are solely responsible for any information that you or others publish or store using Comcast Web Site Hosting or Customer Web Site Hosting, and for the compliance with this Policy of Comcast Web Site Hosting and Customer Web Site Hosting. You must ensure that the intended recipient of any content made available through Comcast Web Site Hosting or Customer Web Site Hosting is appropriate. For example, you must take appropriate precautions to prevent minors from receiving or accessing inappropriate content. Comcast reserves the right to remove, block, or refuse to post or store any information or materials, in whole or in part, that it, in its sole discretion, deems to be offensive, indecent, or otherwise inappropriate regardless of whether this material or its dissemination is unlawful. This includes, but is not limited to: obscene material; defamatory, fraudulent or deceptive statements; threatening, intimidating or harassing statements, or material which violates the privacy rights or property rights of others (copyrights or trademarks, for example). For purposes of this Policy, "material" refers to all forms of communications including narrative descriptions, graphics (including photographs, illustrations, images, drawings, logos), executable programs and scripts, video recordings, and audio recordings. Comcast may remove or block content that you publish or attempt to publish using Comcast Web Site Hosting and terminate your Comcast Web Site Hosting and/or your use of the Service if we determine that you have violated the terms of this Policy. In this case, termination or other charges may apply.

Network, Bandwidth, Data Storage and Other Limitations

You must comply with all current bandwidth, data storage, and other limitations on the Service established by Comcast and its suppliers. You must ensure that your activity (including, but not limited to, use made by you or others of the Service (including Web Site Hosting) does not restrict,

<http://www.comcast.com/corporate/business/terms1.html> as of March 13, 2008

Filename: 2007.10.01_BusinessClassandCommercialHighspeedInternetAUP.doc

inhibit, interfere with, or degrade any other user's use of the Service, nor represent (in the sole judgment of Comcast) an overly large burden on the network. In addition, you must ensure that your activities do not restrict, inhibit, interfere with, disrupt, degrade, or impede Comcast's ability to deliver the Service and monitor the Service, backbone, network nodes, and/or other network services.

You further agree to comply with all Comcast network, bandwidth, and data storage and usage limitations established by Comcast in its sole discretion. You must ensure that your bandwidth consumption using the Service does not exceed the limitations that are now in effect or may be established in the future. If your use of the Service results in the consumption of bandwidth in excess of the applicable limitations, that is a violation of this Policy. In such cases, Comcast may, in its sole discretion, terminate or suspend your Service account or request that you subscribe to a version of the Service with higher bandwidth usage limitations if you wish to continue to use the Service at higher bandwidth consumption levels. In the event of termination, termination or other charges may apply.

Copyright Infringement

Comcast is committed to complying with U.S. copyright and related laws, and requires all customers and users of the Service to comply with these laws. Accordingly, you may not store any material or content on, or disseminate any material or content over, the Service (or any part of the Service) in any manner that constitutes an infringement of third party intellectual property rights, including rights granted by U.S. copyright law. Owners of copyrighted works who believe that their rights under U.S. copyright law have been infringed may take advantage of certain provisions of the Digital Millennium Copyright Act of 1998 (the "DMCA") to report alleged infringements. It is Comcast's policy in accordance with the DMCA and other applicable laws to reserve the right to terminate the Service provided to any customer or user who is either found to infringe third party copyright or other intellectual property rights, including repeat infringers, or who Comcast believes in its sole discretion is infringing these rights. Comcast may terminate the Service at any time with or without notice for any affected customer or user. In this case, termination or other charges may apply.

Copyright owners may report alleged infringements of their works by sending Comcast's authorized agent a notification of claimed infringement that satisfies the requirements of the DMCA. Upon Comcast's receipt of a satisfactory notice of claimed infringement for these works, Comcast will respond expeditiously to either directly or indirectly (i) remove the allegedly infringing work(s) stored on the Service, if housed on a hosted Comcast Web Site or Comcast-hosted Web Site or (ii) disable access to the work(s). Comcast will also notify the affected Customer or user of the Service of the removal or disabling of access to the work(s). If the affected Customer or user believes in good faith that the allegedly infringing works have been removed or blocked by mistake or misidentification, then that person may send a counter notification to Comcast. Upon Comcast's receipt of a counter notification that satisfies the requirements of DMCA, Comcast will provide a copy of the counter notification to the person who sent the original notification of claimed infringement and will follow the DMCA's procedures with respect to a received counter notification. In all events, you expressly agree that Comcast will not be a party to any disputes or lawsuits regarding alleged copyright infringement.

Copyright owners may send Comcast a notification of claimed infringement to report alleged infringements of their works to:

G. Lipscomb and C. Padgett
Comcast Cable Communications, LLC
650 Centeron Road
Moorestown, NJ 08057 U.S.A.
Phone: (856) 317-7272
Fax: (856) 317-7319
E-mail: dmca@comcast.net

Copyright owners may view and print a notification of claimed infringement form in [HTML](#) format. Complete the form and return it to Comcast. Comcast doesn't require that you use this form, and copyright owners may use their own notification of claimed infringement form that satisfies the requirements of Section 512(c)(3) of the U.S. Copyright Act. Under the DMCA anyone who knowingly makes misrepresentations regarding alleged copyright infringement may be liable to Comcast, the alleged infringer, and the affected copyright owner for any damages incurred in connection with the removal, blocking, or replacement of allegedly infringing material.

If a notification of claimed infringement has been filed against you, you can file a counter notification with Comcast's designated agent using the contact information shown above. All counter notifications must satisfy the requirements of Section 512(g)(3) of the U.S. Copyright Act.

Violation of Acceptable Use Policy

Comcast does not routinely monitor the activity of Service accounts for violation of this AUP. However, in our efforts to promote good citizenship within the Internet community, we will respond appropriately if we become aware of inappropriate use of our Service. Although Comcast has no obligation to monitor the Service and/or the network, Comcast and its suppliers reserve the right at any time to monitor bandwidth, usage, transmissions, and content from time to time to operate the Service; to identify violations of this Policy; and/or to protect the network, the Service and Comcast users.

Comcast prefers to advise customers of inappropriate behavior and any necessary corrective action. However, if the Service is used in a way which Comcast or its suppliers, in their sole discretion, believe violate this AUP, Comcast or its suppliers may take any responsive actions they deem appropriate. These actions include, but are not limited to, temporary or permanent removal of content, cancellation of newsgroup posts, filtering of Internet transmissions, and the immediate suspension or termination of all or any portion of the Service. In this case, termination or other charges may apply. Neither Comcast nor its affiliates, suppliers, or agents will have any liability for any these responsive actions. These actions are not Comcast's exclusive remedies and Comcast may take any other legal or technical action it deems appropriate.

Comcast reserves the right to investigate suspected violations of this AUP, including the gathering of information from the user or users involved and the complaining party, if any, and examination of material on Comcast's servers and network. During an investigation, Comcast may suspend the account or accounts involved and/or remove or block material which potentially violates this Policy. In this case, termination or other charges may apply. You expressly authorize Comcast and its suppliers to cooperate with (i) law enforcement authorities in the investigation of suspected legal violations, and (ii) and system administrators at other Internet service providers or other network or computing facilities in order to enforce this Policy. This cooperation may include Comcast providing

<http://www.comcast.com/corporate/business/terms1.html> as of March 13, 2008
Filename: 2007.10.01_BusinessClassandCommercialHighspeedInternetAUP.doc

available personally identifiable information about you to law enforcement or system administrators, including, but not limited to, username, subscriber name, and other account information. Upon termination of your account, Comcast is authorized to delete any files, programs, data and e-mail messages associated with your account.

The failure of Comcast or its suppliers to enforce this AUP, for whatever reason, shall not be construed as a waiver of any right to do so at any time. You agree that if any portion of this Policy is held invalid or unenforceable, that portion will be construed consistent with applicable law as nearly as possible, and the remaining portions will remain in full force and effect.

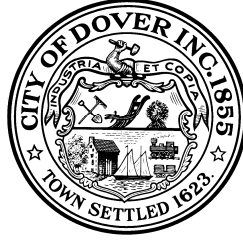
You agree to indemnify, defend and hold harmless Comcast and its affiliates, suppliers, and agents against all claims and expenses (including reasonable attorney fees) resulting from you engaging in any of the prohibited activities listed in this AUP or resulting from your violation of the AUP or of any other posted Comcast policy related to the Service. Your indemnification will survive any termination of the Agreement.

Revised and Effective October 1, 2007

[Close Window](#)

DANIEL R LYNCH
Finance Director
d.lynch@ci.dover.nh.us

ANN M. LEGERE
Purchasing Agent
a.legere@ci.dover.nh.us



288 Central Avenue
Dover, New Hampshire 03820-4169

(603) 516-6030
Fax: (603) 516-6097
www.ci.dover.nh.us

City of Dover, New Hampshire

OFFICE OF THE FINANCE DIRECTOR

April 25, 2008

Request for Proposal B08080

“Wireless Internet Access Project”

ADDENDUM #1

Please be advised of change in RFP Document under Cost Section:

- Currently states not to send a cost proposal. **THIS IS INCORRECT**
- **Please include in response the cost proposal for site survey, hardware, install/configuration and support as well as any other fees not list here.**

Please mark your return envelope “Addendum 1 received”. I apologize for any inconvenience this may have caused you.

Thank you for your attention to this notification. Your participation in our RFP solicitation process is appreciated.

RFP with cost proposal will now be due back no later than May 5, 2008 at 2:30 p.m. EST

Please revisit Addendum # 1 on the City of Dover Website www.ci.dover.nh.us.

Ann M. Legere
Purchasing Agent

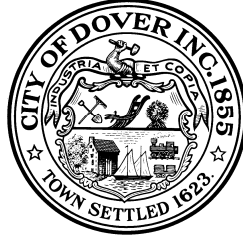
****IMPORTANT:*** *If you are not interested in submitting a quotation on this particular bid request, but wish to remain on our active bid list, please sign and return the attached form with a NO BID indication. Failure to respond in this manner will result in deletion from our bid list.*

Vendors wishing to respond to a bid request with alternates to specifications must notify the Purchasing Office no less than five (5) days prior to the bid request opening date. If the proposed changes are acceptable, the City will advise other potential respondents, thereby maintaining equality in the bid process. Failure to advise the City could result either in rejection of the alternate proposal or in an untimely extension of the sealed bid process.

Vendors may be asked, as part of the bid evaluation process, to supply company financial information. This data will be held in the strictest confidence and be utilized only to help assess the stability of a responding firm. The records will be returned to you after identifying the successful respondent to the bid request.

DANIEL R LYNCH
Finance Director
d.lynch@ci.dover.nh.us

ANN M. LEGERE
Purchasing Agent
a.legere@ci.dover.nh.us



288 Central Avenue
Dover, New Hampshire 03820-4169

(603) 516-6030
Fax: (603) 516-6097
www.ci.dover.nh.us

City of Dover, New Hampshire
OFFICE OF THE FINANCE DIRECTOR

May 1, 2008

**Request for Proposal B08080
“Wireless Internet Access Project”**

ADDENDUM #2

Please be advised of change in RFP Document: Questions and Answers:

1. Will the wireless core location and all access point locations have static IP assignments within the same subnet?
 - a. At this time, the public static IP addresses assigned at the core location and at each access point location cannot be guaranteed to be on the same subnet.
2. Was a router overlooked in initial grant proposal or are you planning on using an existing router?
 - a. A router was overlooked. Please propose any and all hardware required to implement your solution. The key goal is to offer a solution that provides downtown wireless Internet access to the public within the Dover downtown area utilizing the Internet access provided in some fashion. Other than that, you have full freedom to propose a solution.
3. Is a NH Licensed Engineer required per RFP specifications?
 - a. No, a NH licensed engineer is not required. Please disregard this language in Section VI, Submittal Requirements of the original request for proposal.
4. Section VI, Submittal Requirements inaccurate.
 - a. Please disregard language referencing a bridge within Statement of Project Requirements.
 - b. Please disregard reference to “Attachment B – Design Procedures for Municipally Managed Project” with Scope of Services.
 - c. Please disregard reference to and organization chart within Team.
 - d. Please provide any certifications your company holds in relation to the hardware solution you are proposing.

In order to accommodate any changes needed for your solution, response deadline has been extended to Wednesday May 7th, 2:30pm est

Please mark your return envelope “Addendum 1 and 2 received”. I apologize for any inconvenience this may have caused you.

Please revisit Addendum # 2 on the City of Dover Website www.ci.dover.nh.us.

Ann M. Legere
Purchasing Agent

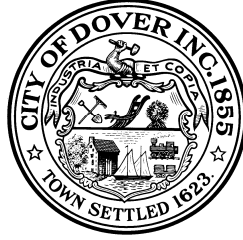
****IMPORTANT:*** *If you are not interested in submitting a quotation on this particular bid request, but wish to remain on our active bid list, please sign and return the attached form with a NO BID indication. Failure to respond in this manner will result in deletion from our bid list.*

Vendors wishing to respond to a bid request with alternates to specifications must notify the Purchasing Office no less than five (5) days prior to the bid request opening date. If the proposed changes are acceptable, the City will advise other potential respondents, thereby maintaining equality in the bid process. Failure to advise the City could result either in rejection of the alternate proposal or in an untimely extension of the sealed bid process.

Vendors may be asked, as part of the bid evaluation process, to supply company financial information. This data will be held in the strictest confidence and be utilized only to help assess the stability of a responding firm. The records will be returned to you after identifying the successful respondent to the bid request.

DANIEL R LYNCH
Finance Director
d.lynch@ci.dover.nh.us

ANN M. LEGERE
Purchasing Agent
a.legere@ci.dover.nh.us



288 Central Avenue
Dover, New Hampshire 03820-4169

(603) 516-6030
Fax: (603) 516-6097
www.ci.dover.nh.us

City of Dover, New Hampshire
OFFICE OF THE FINANCE DIRECTOR

May 6, 2008

**Request for Proposal B08080
“Wireless Internet Access Project”**

ADDENDUM #3

Please be advised of change in RFP Document: Questions and Answers:

In order to accommodate any changes needed for your solution, response deadline has been extended to Wednesday May 14th, 3:00pm est

Please mark your return envelope “Addendum 1 and 2 and 3 received”. I apologize for any inconvenience this may have caused you.

Please revisit Addendum # 3 on the City of Dover Website www.ci.dover.nh.us.

Ann M. Legere
Purchasing Agent

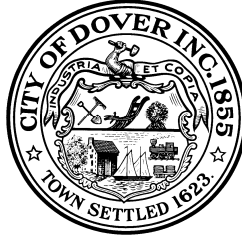
****IMPORTANT:*** *If you are not interested in submitting a quotation on this particular bid request, but wish to remain on our active bid list, please sign and return the attached form with a NO BID indication. Failure to respond in this manner will result in deletion from our bid list.*

Vendors wishing to respond to a bid request with alternates to specifications must notify the Purchasing Office no less than five (5) days prior to the bid request opening date. If the proposed changes are acceptable, the City will advise other potential respondents, thereby maintaining equality in the bid process. Failure to advise the City could result either in rejection of the alternate proposal or in an untimely extension of the sealed bid process.

Vendors may be asked, as part of the bid evaluation process, to supply company financial information. This data will be held in the strictest confidence and be utilized only to help assess the stability of a responding firm. The records will be returned to you after identifying the successful respondent to the bid request.

DANIEL R LYNCH
Finance Director
d.lynch@ci.dover.nh.us

ANN M LEGERE
Purchasing Agent
a.legere@ci.dover.nh.us



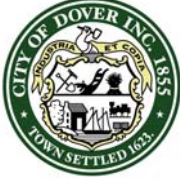
288 Central Avenue
Dover, New Hampshire 03820-4169

(603) 516-6030
Fax: (603) 516-6097
www.ci.dover.nh.us

City of Dover, New Hampshire
OFFICE OF THE FINANCE DIRECTOR

Bid Results
Wireless Internet Connections
#B08080

Vendor Name	Fees	Alternate 1	Alternate 2
Ayacht Technology Solutions PO Box 955 Bolton Ma 01740	\$24,000.00	\$56,500.00	\$62,500.00
RB Allan Co Inc PO Box 770 131 Lafayette Rd No Hampton NH 03862	\$25,300.00		
Summit Technologies 187 Commerce St Williston VT 05495	\$29,368.13		
Connectivity Point 1Po Box 158 Newfields NH 03856	\$33,975 1 yr	\$41,725.00 3 yr	
LongChamps Electrical 700 Harvey Rd Manchester NH 03103	NB		
Interstate Electrical 15 Cote Ln Bedford NH 03110	NB		
Sideband Systems 30 Rantoul St Beverly MA 01915	NB		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#:

Resolution Number: **R - 2008.05.28 - 76**
Resolution Re: Public Wireless Internet Access B08080

WHEREAS: Sealed bid B08080 was requested and received for a public wireless internet access project on May 14, 2008 at 3:00pm; and

WHEREAS: This project is the result of a State of New Hampshire Telecommunications Grant that was submitted by the City of Dover, Greater Dover Chamber of Commerce and Dover Main Street programs in June 2007 and awarded in August 2007 and use of the Technology Grant Funds provided for in the Comcast Cable Franchise Renewal Agreement approved in December of 2007; and

WHEREAS: Four bids and three no bids were received with varying rates and services. The bid meeting specifications and deemed most advantageous to the City of Dover was submitted by Summit Technologies of Williston, VT in the amount of \$29,368.13 for public wireless internet access in the downtown Dover area.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The Purchasing Agent is hereby authorized to issue a Purchase Order to Summit Technologies of Williston VT for public wireless internet access services in the amount of \$29,368.13 and to be charged to the following accounts.

Financing

Account	Description	Appropriation	Balance	Charge
6100-49200-4745-1201-08-55	Telecommunications Grant	\$10,000.00	\$4,073.22	\$4,073.22
6100-49200-4745-9100-00-55	DoverNet - Capital Outlay	\$114,900.00	\$57,633.65	\$25,294.91
	Total			\$29,368.13

AUTHORIZATION

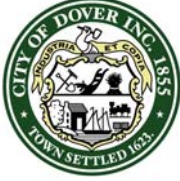
Approved as to Funding: Daniel R Lynch
Finance Director

Sponsored by: Mayor Scott Myers
By request

Approved as to Legal Form: Allan B. Krans, Sr.
City Attorney

Recorded by: Karen Lavertu
City Clerk

DOCUMENT HISTORY:



CITY OF DOVER

CITY OF DOVER - RESOLUTION

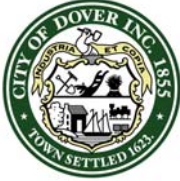
Agenda Item#:

Resolution Number: **R - 2008.05.28 - 76**
Resolution Re: Public Wireless Internet Access B08080

First Reading Date: 2008.05.30 Public Hearing Date:
Approved Date: 2008.05.30 Effective Date: 2008.05.30

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YEAH	NAY
Mayor Scott Myers	X	
Deputy Mayor*	n/a	n/a
Councilor Robert Keays, Ward 1	ABSENT	
Councilor Douglas DeDe, Ward 2	X	
Councilor David Scott, Ward 3		X
Councilor Dean Trefethen, Ward 4	X	
Councilor Catherine Cheney, Ward 5	X	
Councilor Richard Callaghan, Ward 6		X
Councilor Steven McCusker, At Large	X	
Councilor Karen Weston, At Large	X	
Total Votes:		
Resolution does pass.		
* Deputy Mayor not elected at time of vote.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#:

Resolution Number: **R - 2008.05.28 - 76**

Resolution Re: Public Wireless Internet Access B08080

RESOLUTION BACKGROUND MATERIAL:

Sealed bid B08080, for public wireless internet access was requested and received by the City of Dover on May 14th, 2008 at 2:00pm. The bid meeting bid specifications and deemed most advantageous to the city was submitted by Summit Technologies Inc of Williston, VT in the amount of \$29,368.13.

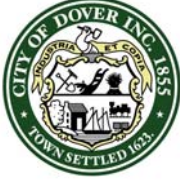
Of the four bids received, RAllen's proposal included budgetary pricing without indicating specific hardware selected for the solution or a topology of the solution itself and was ruled out.

Of the three remaining bids, Ayacht Technology Solutions offered a detailed proposal and three thoughtful technical solutions to the bid request. Ayacht's first solution meets bid specifications and utilizes current infrastructure, however as they mention in their quote, "We also realize that this solution contains several design flaws that are the result of the Comcast backhaul requirements." This is caused by the access points at the remote locations sending all traffic back to a central controller, thereby limiting average speed at each of the four access point locations to 2MB. This issue would compound itself if additional access points are added without upgrading core uplink.

As Ayacht Technology Solutions mentions in their quote regarding Options 2 and 3, "Our preferred solution would be this one or the last one if budget allows. If the City of Dover had an interest to invest in wireless mesh technology at this time, Options 2 and 3 would be considered.

The remaining two vendors, Summit Technologies and Connectivity Point/Systems Engineering both proposed Cisco wireless solutions. Of the two solutions, Summit Technologies technical solution is preferred. This solution leverages current backbone infrastructure and allows wireless users to more fully utilize bandwidth deployed at each location thereby removing bottleneck issues at the central management location. As stated in their proposal, "Summit Technologies is a Cisco Premier Certified Partner with a Cisco Wireless Specialization and was nominated and certified as a Cisco Advanced Technology Partner (ATP) in the Cisco 1500 Mesh Access Point in 2006." Summit Technologies has implemented wireless solutions for state and municipal offices (Vermont State House, Montpelier, VT), three Interstate rest areas in Vermont and metro areas (Montpelier, VT and Amherst, MA) among other wireless projects. This experience aligns itself with the Dover Public Wireless Internet Access initiative, contributing to the selection of this vendor.

Pertaining to the Telecommunications Grant fund, monies have already been set aside to fund installation of backbone services at the Transportation Center as well as purchase backbone services at four downtown and one centralized management location. These broadband services are funded by the Comcast technology grant of \$25,000, reference DoverNet revenue.



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#:

Resolution Number: **R - 2008.05.28 - 76**

Resolution Re: Public Wireless Internet Access B08080

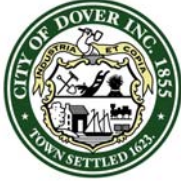
Project partners participating in the application and implementation of this grant program to provide free public wireless access throughout the downtown area extending from the transportation center through to Henry Law Park include the Dover Main Street program, the Greater Dover Chamber of Commerce, Winsor Brook Property Advisors, Great Mills Management, Holy Rosary Regional Credit Union and Bamford Properties.

Award Information:

A purchase orders will be issued to authorize this expenditure.

Purchasing Information:

Type:	Purchase order	Advertised:	Yes
Invitations Mailed:	37	Number of Responses:	4 and 3 NB
Warranty:	Meets Specifications	Terms:	Net 30, FOB
Work Bonded:	no	Contract:	yes
Prices will hold for:	Until completion	Estimated Delivery:	As needed
Recommended Award to:	Summit Technologies	Fund:	Grant/Dover Net
Other Approvals Required:	No	References Checked:	Satisfactory
Previously Worked for City:	No	Reason for Council Approval:	Cost over \$25,000



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#:

Resolution Number: **R - 2008.05.28 - 76**
Resolution Re: Public Wireless Internet Access B08080

Vendor List

Longchamps Electric
700 Harvey Road
Manchester, NH 03103

Howard Systems
10 Commerce Way
Barrington, NH 03825

Great Bay Communications
591 Middle Street
Portsmouth, NH 03801

Hampton Technical Services
235 Towle Farm Road
Hampton, NH 03842

Dinsmore Communications
130 Ledge Road
Seabrook, NH 03874

Quality Interconnect Cabling
154 Rte 202
Barrington, NH 03825

Computer Cable Co.
150 Zachary Road
Manchester, NH 03109

Elcon Communications & Supply
Co.
297 DW Highway, Unit 8
Merrimack, NH 03054

Cablenet System
1 Newbury Street
Peabody, MA 01960

G4 Communications
One Sundial Avenue
Manchester, NH 03103

RTM Communications
9 Executive Park Drive
Merrimack, NH 03054

Twin State Voice Data Video
291 Rand Hill Road
Morrisonville, NY 12962

CTC Communications
160 South River Road
Suite 101
Bedford, NH 03110

Media Connex
3 Priscilla Lane
Auburn, NH 03032

Vilders Electric
40 Maple Street
Dover, NH 03820

DaVinci Network Infrastructure
32A Grove Street
East Rochester, NH 03868

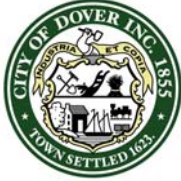
Nu Vision Technologies
1050 Perimeter Road
Manchester, NH 03103

Cable Constructors
Blue Ridge Drive
Augusta, ME 04330

Reliable Communications
178 Pleasant Hill Road
Scarborough, ME 04074

Brian St. Laurent
Hampton Technical Services
brian@hamptontechnical.com
Ph: 603-231-1401

TCS Communications
PO Box 5192
Salisbury, MA 01952



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#:

Resolution Number: **R - 2008.05.28 - 76**

Resolution Re: Public Wireless Internet Access B08080

Trellis Communications Corp.
592 Harvey Road
Manchester, NH 03103-3320

Twin State VDV
128E Hall Street
Concord, NH 03301

Connectivity Point
PO. Box 158
Newfields, NH 03856

Pinnacle Communications, LLC
47 Civic Street, Suite 100
Farmington, NH 03835

WC Colbath Electrical
Contractors
211 Crosby Road
Dover, NH 03820

Martineau Electrical
65 Industrial Park Drive
Dover, NH 03820

Scarponi Electric, LLC
45 Allen Street, Unit 5
Rochester, NH 03867

Gemini Electric
8 Priscilla Lane
Auburn, NH 03032

Ewing Electric
PO Box 370
Deerfield, NH 03037-0370

Yates Electrical Services
88a Dover Road
Durham, NH 03824

Diversified Electrical Services
350 Rte 108
Somersworth, NH 03878

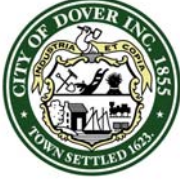
Interstate Electrical
15 Cote Lane
Bedford, NH 03110

Aruba
1322 Crossman Ave
Sunnyvale, CA 94089

Sideband Systems
30 Rantoul Street
Beverly, MA 01915

jtougas@bayring.com

Summit Tech
187 Commerce St.
Williston, VT 05495



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#:

Resolution Number: **R - 2008.05.28 - 76**

Resolution Re: Public Wireless Internet Access B08080

Results B08080

Vendor Name	Fees	Alternate 1	Alternate 2
Ayacht Technology Solutions PO Box 955 Bolton Ma 01740	\$24,000.00	\$56,500.00	\$62,500.00
RB Allan Co Inc PO Box 770 131 Lafayette Rd No Hampton NH 03862	\$25,300.00 (budgetary)		
Summit Technologies 187 Commerce St Williston VT 05495	\$29,368.13		
Connectivity Point 1Po Box 158 Newfields NH 03856	\$33,975 1 yr	\$41,725.00 3 yr	
LongChamps Electrical 700 Harvey Rd Manchester NH 03103	NB		
Interstate Electrical 15 Cote Ln Bedford NH 03110	NB		
Sideband Systems 30 Rantoul St Beverly MA 01915	NB		

Dover Public Wireless Internet Access Project
Actual Capital and Labor Investment

Date	Hours	Person	Task
Tuesday, March 11, 2008	4	IT Director	Comcast Wireless Amendment (WiFi Provider) work
Wednesday, March 12, 2008	4	IT Director	Comcast Wireless Amendment (WiFi Provider) work
Thursday, March 13, 2008	4	IT Director	Send Wireless Agreement and Signed Contracts for 4 Locations to Comcast
Friday, March 14, 2008	2	IT Director	Send Wireless Agreement and Signed Contracts for 4 Locations to Comcast
Wednesday, March 19, 2008	0.5	IT Director	Transportation Center Build Out Quote from Comcast
date?	1	IT Director	Creation of Purchase Order for Comcast A/P circuits to track against grant
Thursday, March 27, 2008	1	IT Director	Comcast Installation - 1 Washington Center
Wednesday, April 02, 2008	0.5	IT Director	Transportation Center Build out Invoice from Comcast
Wednesday, April 16, 2008	8	IT Director	Creation of RFP for Wireless Solution, B08080
Thursday, April 17, 2008	2	IT Director	Coordination of power outlet install in Cocheco Mill
Wednesday, April 23, 2008	2	IT Director	B08080 Optional walk-through to all locations for vendor
Thursday, May 08, 2008	1.5	IT Director	Comcast Installation - 100 Main Street, Cocheco Mill
Thursday, May 08, 2008	1.5	IT Director	Comcast Installation - 490 Central Ave, Bamford Properties
Wednesday, May 14, 2008	4	IT Director	Review of B08080 Responses
Thursday, May 22, 2008	2	IT Director	Review of B08080 Responses - vendor calls
Thursday, May 22, 2008	2	IT Director	Review of B08080 Responses
Thursday, May 22, 2008	4	IT Director	Creation of Resolution for Award of Bid, R-2008.05.8-076
Wednesday, May 28, 2008	1	IT Director	Attended City Council Meeting to answer any questions.
Thursday, August 07, 2008	0.75	IT Director	Register www.doverwireless.net. Configure website with secure FTP access for Jeff Spires
Wednesday, August 13, 2008	1	IT Director	Comcast Installation - 33 Chestnut Street, Transportation Center
Monday, August 18, 2008	6	IT Director	11:30am - 5:30pm: Receive and inventory hardware. Provide site tour and assessment of each hot spot location
Monday, August 18, 2008	3	IT Administrator	11:30-12:00 - Introductions to the Summit crew. Unloading and inventory of all equipment. 12:30-3:00 - Site walkthroughs at all locations for installation.
Tuesday, August 19, 2008	3	IT Director	10am: Cocheco install: Summit, Bruce/WinsorBrook/James, James/AT&T. 1:30pm: D.Bamford, 490 Central
Tuesday, August 19, 2008	2.75	IT Administrator	9:00-11:45 - Assisted F&G with meeting the Summit crew to review the drilling for installation at the Transport Authority. Dropped of a power supply that was requested at the transportation center. Called around to find a location that had 1 spool of Cat5E indoor, and Cat5E outdoor, cable 500' or longer. Went to obtain the spools from a location in Barrington and delivered them to the crew from Summit
Wednesday, August 20, 2008	5	IT Director	11am: Status and direction meeting with Main St, Chamber. Splash page & website work. Franklin Sq search
Wednesday, August 20, 2008	2	IT Administrator	10:00-12:00 - Assisted with alternate site survey. Inspected Central-fire as an option along with a few other locations downtown.
Thursday, August 21, 2008	2	IT Director	9:30am: Review McConnell Site with Summit. 3pm: Test 3 wifi locations.
Thursday, August 21, 2008	0.5	IT Administrator	9:00 - Assisted the crew in getting situated with install for Henry Law park.
Friday, August 22, 2008	1	IT Director	9:30am: Provide payment for hardware rec'd. Test 4th and final hotspot
Friday, August 22, 2008	2	IT Administrator	9:00-11:00 - Final walkthrough of site locations. Tested access to the Controller device

74

Date	Cost	Vendor	Description
monthly payments to date	\$ 752.00	Comcast	PO 13-249882; Monthly Charges to Wireless Control Center location; \$94/mo plus tax, 8 months
monthly payments to date	\$ 890.24	Comcast	PO 13-250526; Monthly Charges - Four (4) Wireless Hot Spot Locations. PO Amt = \$3360.00, Remaining=\$2469.76
Wednesday, April 16, 2008	\$ 2,316.78	Comcast	PO 13-251000; Build out to Transportation Center, 33 Chestnut
Thursday, August 07, 2008	\$ 74.97	Network Solutions	Three year registration of doverwireless.net domain name
Wednesday, August 13, 2008	\$ 26.20	GovConnection	Surge Protectors for wireless hardware at hot spot locations
Tuesday, August 19, 2008	\$ 200.00	Howard Systems	PO 13-252916; 500' CAT5E interior grade cable; 500' CAT5E exterior grade cable;
Friday, August 22, 2008	\$ 16,683.06	Summit Technologies	PO 13-251682; Wireless solution, hardware quoted and received.
Friday, August 29, 2008	\$ 623.28	Summit Technologies	PO 13-253108; Two outdoor NEMA enclosures (16x14x8), two chimney mounts, shipping.
To Be Paid	\$ 12,685.07	Summit Technologies	PO 13-251682; Wireless solution labor (survey, installation, configuration) & SmartNet
To be Paid	\$ 122.76	Summit Technologies	PO 13-253108; Remaining SmartNet
To be Paid	\$ 413.00	Summit Technologies	PO 13-253113; Universal Mounts, Patch Antenna for Transportation Center, Grounding Kit

\$ 34,787.36