



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@po.state.ct.us

www.ct.gov/csc

February 3, 2005

Michele G. Briggs
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-015-050114** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 1069 Connecticut Avenue, Bridgeport, Connecticut.

Dear Ms. Briggs:

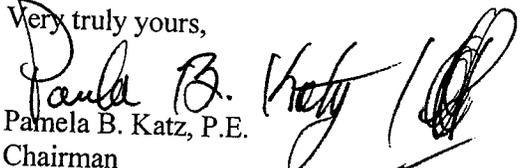
At a public meeting held on February 2, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated January 14, 2005, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,


Pamela B. Katz, P.E.
Chairman

PBK/laf

- c: The Honorable John Fabrizi, Mayor, City of Bridgeport
Melanie J. Howlett, Esq., Assistant City Attorney, City of Bridgeport
Melanie Girton, Property Management Dept., Spectrasite Communications
Thomas F. Flynn III, Nextel Communications, Inc.
Stephen J. Humes, Esq., McCarter & English, LLP



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January 21, 2005

The Honorable John Fabrizi
Mayor
City of Bridgeport
999 Broad Street
Bridgeport, CT 06604

RE: **EM-CING-015-050114** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 1069 Connecticut Avenue, Bridgeport, Connecticut.

Dear Mayor Fabrizi:

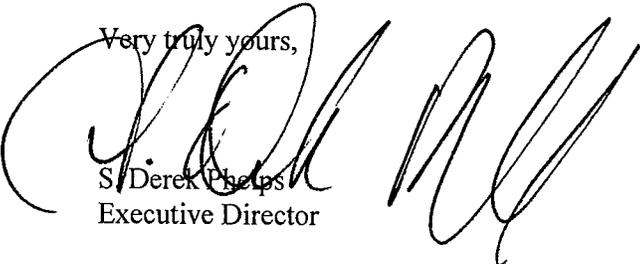
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for February 2, 2005 at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the council by February 1, 2005.

Thank you for your cooperation and consideration.

Very truly yours,


S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

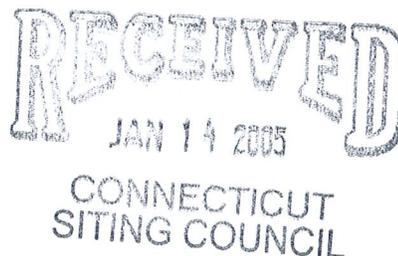
c: Melanie J. Howlett, Assistant City Attorney, City of Bridgeport



New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7700
Fax: (860) 513-7190

Michele G. Briggs
Manager of Real Estate

January 14, 2005



Ms. Pam Katz, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: Notice of Exempt Modification – Existing SpectraSite Telecommunications Tower Facility at 1069 Connecticut Avenue, Bridgeport, Connecticut

Dear Chairman Katz:

New Cingular Wireless PCS, LLC (“Cingular”; formerly Southwestern Bell Mobile Systems, LLC d/b/a Cingular Wireless) intends to install telecommunications antennas and associated equipment at an existing multicarrier telecommunications tower at 1069 Connecticut Avenue in Bridgeport, Connecticut.

The Bridgeport facility is located just southeast of the East End Freight Yards and approximately ½ mile north of Interstate 95. Tower coordinates (NAD 83) are N 41° 11’ 01” and W 73° 09’ 29”. The facility is owned and operated by SpectraSite Communications (“SpectraSite”), with offices at 100 Regency Forest Drive, Cary, NC 27511.

Please accept this letter as notification to the Council, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the Mayor of Bridgeport.

Cingular is licensed by the Federal Communications Commission (“FCC”) to provide cellular mobile telephone service in the Bridgeport Connecticut Metropolitan Statistical Area, which includes the area to be served by Cingular’s proposed installation. The public need for cellular service has been predetermined by the FCC.

SpectraSite has agreed to plans put forth by Cingular pursuant to mutually acceptable terms and conditions and has also authorized Cingular to obtain necessary government approvals. Attached to this Notice are a site location map, a proposed site plan, the proposed tower profile, and a structural analysis report that shows the tower is structurally capable of supporting the proposed Cingular telecommunications equipment.

proposed Cingular telecommunications equipment.

The Bridgeport facility was originally approved under local zoning authority and came under the Council's jurisdiction with TS-VOICESTREAM-015-001023.

The Connecticut Avenue facility consists of a 130-foot monopole within an approximately 95' x 97' compound surrounded on three sides by a chain link fence topped by barbed wire and on the fourth side by an existing building.

On October 26, 2004, the Council approved co-location at the site by AT&T Wireless in EM-AT&T-015-041019. Cingular and SpectraSite, however, have cancelled the AT&T arrangement as a consequence of AT&T's acquisition by Cingular, and Cingular instead has signed a lease with SpectraSite for roughly the same ground space. Additionally, XM Satellite Radio, which had also been approved by the Council to co-locate, has cancelled its deal with SpectraSite, and Cingular has assumed the tower height of 110 feet above ground level (AGL) previously assigned to XM rather than the 100-foot AGL level approved earlier for AT&T. Because no AT&T or XM facilities will be installed, their specifications stated in earlier exempt modification notices have been omitted from the structural report, site plan, and power density calculation submitted with this Notice.

As shown on the attached drawings and as further described below, Cingular proposes to install up to six Kathrein AP14/17-880/1940/088D/ADT/XXP panel antennas or their equivalent, approximately 75 inches in height, with the center of radiation approximately 110 feet above ground level. Associated equipment to be installed on the tower are up to twelve Powerwave tower top amplifiers ("TTA's"; small metal boxes approximately 18 pounds apiece) or their equivalent immediately behind the antennas.

Cingular also proposes to install a 12' x 20' x 10' high prefabricated concrete equipment building at grade beside the tower. All work will be done inside the existing fenced compound.

With the Cingular's GSM configuration, Cingular will broadcast up to:

- 2 channels, 296 Watts ERP, 880 – 894 MHz; and
- 2 channels, 427 Watts ERP, 1930 – 1935 MHz.

Statutory Considerations

The changes to the Bridgeport tower facility do not constitute a modification as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2) because they will not result in any substantial adverse environmental effect.

1. The height of the overall structure will be unaffected.

2. The proposed changes will not affect the property boundaries. All construction will occur within the existing fenced compound.

3. The proposed additions will not increase the noise level at the existing facility by six decibels or more.

4. Operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base, to or above the standard adopted by the State of Connecticut and the FCC. The "worst-case" exposure calculation in accordance with FCC OET Bulletin No. 65 (1997) for a point of interest at the base of the tower in relation to the operation of the currently proposed antenna array is as follows:

Company	Centerline Height (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density [†] (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
Nextel *	131	800	4	250	0.0210	0.5333	3.93
T-Mobile *	120	1945	4	250	0.0250	1.0000	2.50
Cingular	110	880 - 894	2	296	0.0176	0.5867	3.00
Cingular	110	1930 - 1935	2	427	0.0254	1.0000	2.54
Total							11.96%

* Power density parameters taken from AT&T's notice to the Council in EM-AT&T-015-041019.

† Please note that the standard power density equation provided by the Council in its memo of January 22, 2001 incorporates a ground reflection factor of 2.56 (i.e., the square of 1.6) as described in FCC OET Bulletin No. 65.

As the table demonstrates, the cumulative "worst-case" exposure would be approximately 12 % of the ANSI/IEEE standard, as calculated for mixed frequency sites. Total power density levels resulting from Cingular's use of the tower facility would thus be within applicable standards.

For the foregoing reasons, Cingular respectfully submits that proposed changes to implement expanded shared use at the Bridgeport site constitute an exempt modification under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 513-7700 or Steve Howard at (860) 513-7536 with any questions concerning this application. Thank you for your consideration in this matter.

Respectfully yours,

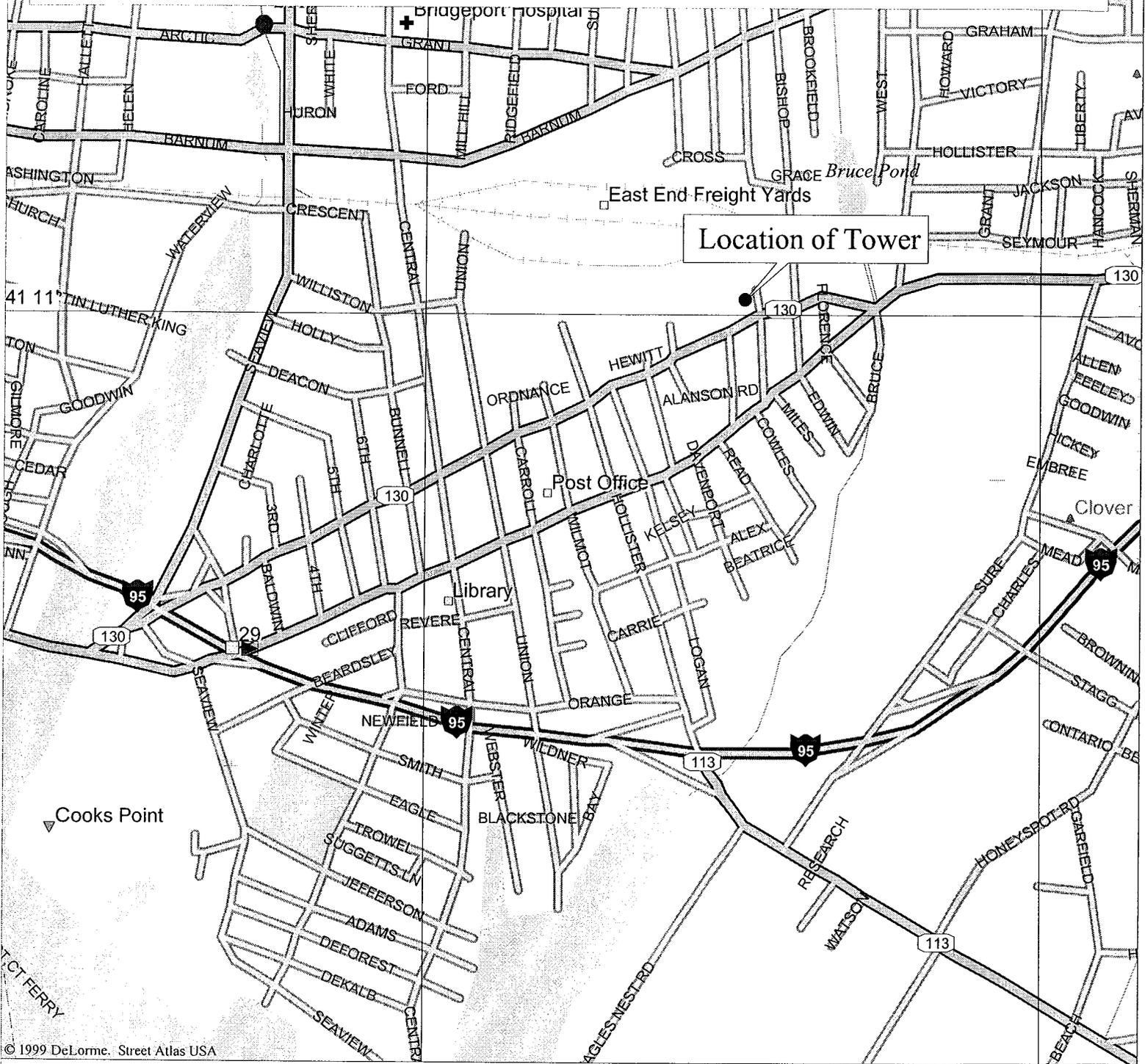


Michele G. Briggs
Manager of Real Estate

cc: Honorable John M. Fabrizi, Mayor, City of Bridgeport

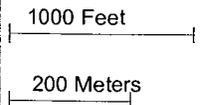
Attachments

SpectraSite - Connecticut Ave., Bridgeport



© 1999 DeLorme. Street Atlas USA

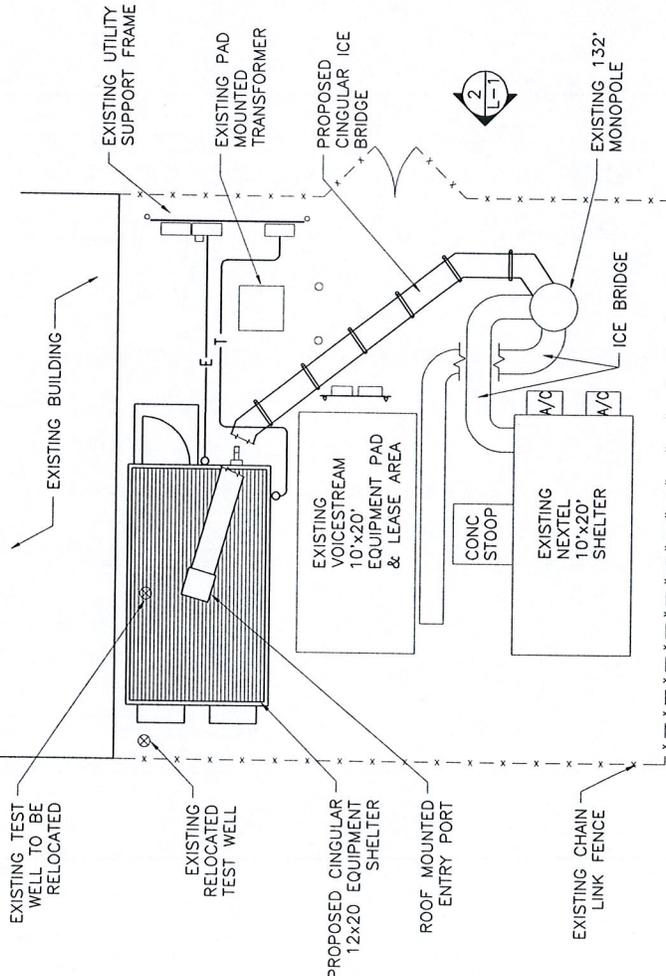
Mag 15.00
 Fri Jan 14 14:37 2005
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- | | | | | | |
|--|---------------------------|--|--------------------|--|---------------------|
| | Local Road | | Point of Interest | | City Park |
| | Major Connector | | Geographic Feature | | Hospital |
| | State Route | | Park/Reservation | | Exit/Other Services |
| | Ferry | | Cemetery | | Water |
| | Trail | | River/Canal | | |
| | Interstate/Limited Access | | | | |
| | Exit | | | | |
| | Railroad | | | | |

LEASE EXHIBIT

THE LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION EQUIPMENT AND ANTENNA MOUNTS WITHIN THE COMPOUND. ACTUAL LOCATION OF LEASE AREA WILL BE FINALIZED UPON COMPLETION OF DESIGN.



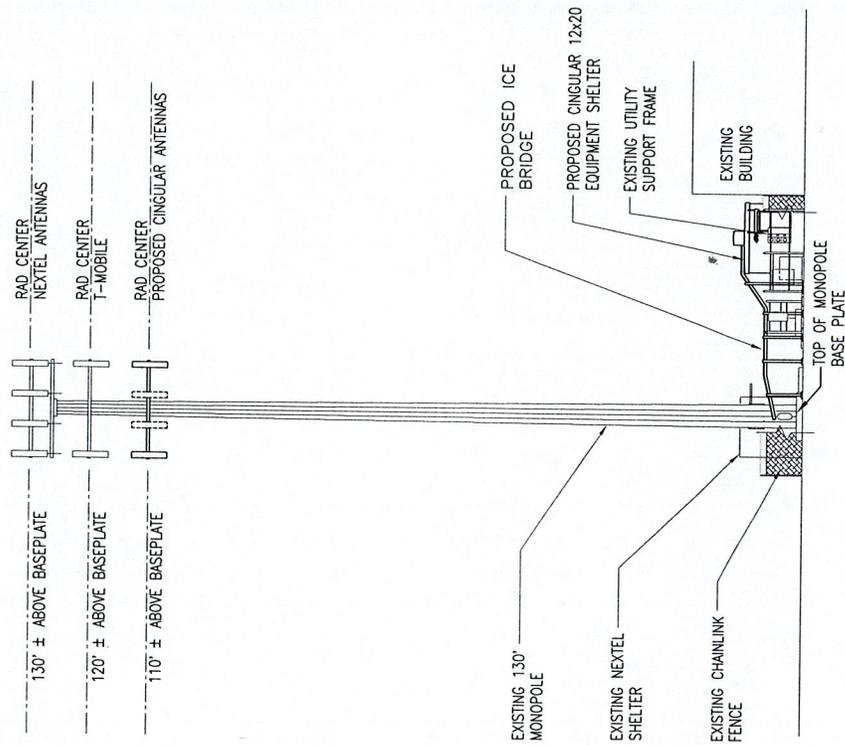
1 COMPOUND PLAN

SCALE: 1" = 30'-0"



(1" = 30'-0")

GRAPHIC SCALE



2 TOWER ELEVATION

SCALE: 1" = 33'-0"



(1" = 33'-0")

GRAPHIC SCALE

Level 1 Structural Evaluation ¹		
Site Number & Name	CT-0005 Bridgeport	App. ID: 103532-1
Site Address	1069 Connecticut Avenue Bridgeport, CT 06607 Fairfield County	
Tower Description	130 ft Engineered Endeavors Monopole	
Standards & Codes ²	ANSI/TIA/EIA-222-F (1996) 85 mph w/ 0" radial ice	1996 BOCA National Building Code 85 mph w/ 0" radial ice 40 mph w/ 3/4" radial ice

Table 1: Existing and Proposed Antenna Configuration					
HEIGHT (ft)	ANTENNA MODEL & MOUNT TYPE	CARRIER	COAX SIZE	[I]/[O] ^a	STATUS
131	(12) Decibel DB844H90E-XY on Platform w/ Handrails	Nextel	(12) 1-1/4"	I	Existing
120	(6) EMS RR90-17-02DP on Low Profile Platform	T-Mobile	(12) 1-5/8"	I	Remove Existing
120	(9) EMS DR85-17-02DPL2Q on Low Profile Platform	T-Mobile	(18) 1-5/8" (6) 1-5/8"	I O	Proposed Replacement
110	(6) Kathrein AP14-17-800-10122 (12) Powerwave LGP2140XTMA-DD-1900 on Low Profile Platform	Cingular	(12) 1-5/8"	O/I ^b	Proposed

^a [I]/[O] denotes coax installed inside or outside the monopole, respectively.

^b Use existing ports at approximately 110' if necessary to install coax inside monopole.

The subject tower and foundation *are adequate* to support the above stated loads in conformance with specified requirements. ³



Analysis prepared by:

Scott Wirgau, E.I.
Engineering Associate
(919) 466-5086

Jason Seaverson, P.E.
Senior Design Engineer

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Connecticut.

¹ The existing and proposed loads of *Table 1* are compared to the original tower design loads or previous analysis.

² The design wind criteria are compared to the current code requirements.

³ The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in *Table 1*.



New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7700
Fax: (860) 513-7190

Michele G. Briggs
Manager of Real Estate

January 14, 2005

Honorable John M. Fabrizi, Mayor
City of Bridgeport
City Hall, 45 Lyon Terrace
Bridgeport, Connecticut 06604

Re: Notice of Exempt Modification – Existing SpectraSite Tower Facility at 1069 Connecticut Avenue, Bridgeport, Connecticut

Dear Mayor Fabrizi

New Cingular Wireless PCS, LLC (formerly Southwestern Bell Mobile Systems, LLC d/b/a Cingular Wireless) ("Cingular") intends to install telecommunications antennas and associated equipment at an existing multicarrier telecommunications tower at 1069 Connecticut Avenue in Bridgeport, Connecticut.

The facility is owned and operated by SpectraSite Communications ("SpectraSite"), with offices at 100 Regency Forest Drive, Cary, NC 27511.

A Notice of Exempt Modification has been filed with the Connecticut Siting Council as required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73. Please accept this letter as notification to the City of Bridgeport under Section 16-50j-73 of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2).

The attached letter fully sets forth the Cingular proposal. However, if you have any questions or require any further information on the plans for the site or the Siting Council's procedures, please contact the undersigned or Mr. Derek Phelps, Executive Director of the Connecticut Siting Council, at (860) 827-2935.

Sincerely,

Michele G. Briggs
Manager of Real Estate

Enclosure