THOMAS J. REGAN
Direct Dial: (860) 509-6522
tregan@brownrudnick.com

BROWNRUDNICK
CityPlace I
185 Asylum
Street
Hartford
Connecticut
06103
tel 860.509.6500
fax 860.509.6501

Via Hand Delivery

December 20, 2007

S. Derek Phelps
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: Sprint Nextel Corporation - Exempt Modifications

Dear Mr. Phelps:

Enclosed for filing are Sprint Nextel Corporation's Notices of Exempt Modification for the addition of WiMAX antennas at the following locations:

- 945 East Center Street, Wallingford
- 850 West Main Street, Branford
- 1069 Connecticut Avenue, Bridgeport
- 120 Universal Drive, North Haven

I have enclosed four separate checks, each in the amount of $500.00 to cover the filing fees. If you have any questions, please feel free to contact me.

Very truly yours,

BROWN RUDNICK BERLACK ISRAELS LLP

By: Thomas J. Regan /cm
Thomas J. Regan

cc: Town of Wallingford via 1st Class Mail w/ applicable attachment
Town of Branford via 1st Class Mail w/ applicable attachment
City of Bridgeport via 1st Class Mail w/ applicable attachment
Town of North Haven via 1st Class Mail w/ applicable attachment

40247031 v1 - MERCIECM - 025064/0015

CONNECTICUT SITING COUNCIL ORIGINAL

EM-SPRINT-NEXTEL-015-071220

In re:

Sprint Nextel Corporation's Notice to Make an Exempt Modification to an Existing Facility at 1069 Connecticut Avenue in Bridgeport, Connecticut.	:	EXEMPT MODIFICATION NO. _____
	:	
	:	December 20, 2007

NOTICE OF EXEMPT MODIFICATION

Pursuant to Conn. Agencies Regs. §§ 16-50j-73 and 16-50j-72(b), Sprint Nextel Corporation ("Sprint") hereby gives notice to the Connecticut Siting Council ("Council") and the City of Bridgeport of Sprint's intent to make an exempt modification to an existing monopole (the "Tower") located at 1069 Connecticut Avenue in Bridgeport, Connecticut. Specifically, Sprint plans to replace all of its existing iDEN network antennas. Under the Council's regulations (Conn. Agencies Regs. § 16-50j-72(b)), Sprint's plans do not constitute a modification subject to the Council's review because Sprint will not change the height of the Tower, will not extend the boundaries of the compound, will not increase the noise levels at the site, and will not increase the total radio frequency electromagnetic radiation power density at the site to levels above applicable standards.

Sprint is currently undertaking an upgrade to its wireless communications system in Connecticut. As part of the upgrade, Sprint is implementing WiMAX technology to enable enhanced wireless data communications. In order to accomplish the upgrade at this site, Sprint plans to add three WiMAX antennas and install additional WiMAX-related electronic equipment at the base of the Tower.

BROWN RUDNICK
BERLACK ISRAELS LLP
CITYPLACE I
185 ASYLUM STREET
HARTFORD, CT 06103
(860) 509-6500

The Tower is a 126-foot monopole located at 1069 Connecticut Avenue in Bridgeport, Connecticut (41° 11' 01.32" N, 73° 09' 29.52" W). The Tower is owned by American Tower. Currently, Sprint has twelve iDEN network antennas located on the Tower with an antenna centerline at 126 feet. A 12' by 20' iDEN equipment shelter is located within the compound at the base of the Tower. A site plan with the Tower specifications is attached.

Sprint plans to remove all twelve of its existing antennas. Three antennas (one per sector) will be replaced with KMW-AM-X-WM-17-65-00T (WiMAX) antennas. Six antennas (two per sector) will be replaced with new iDEN antennas. The last three antennas will not be replaced. All of the new antennas will have the same centerline as the existing antennas – 126 feet. Sprint will also install one 2-foot microwave dish with a centerline of approximately 128'. To confirm the Tower can support these changes, Sprint commissioned American Tower to perform a structural analysis of the Tower (attached). According to the structural analysis, dated November 27, 2007, "the tower and foundation can support the existing and proposed antennas."

Sprint will also install a WiMAX equipment cabinet within its existing equipment shelter. Hence, no increase in the size of the compound is necessary. In addition, Sprint will mount a global positioning system (GPS) antenna to the exterior of the equipment shelter. Therefore, excluding brief, minor, construction-related noise during the addition of the antennas and the installation of the equipment cabinet, Sprint's changes to the Tower will not increase noise levels at the site.

The new antennas will not adversely impact the health and safety of the surrounding community or the people working on the Tower. The total radio frequency exposure measured around the Tower will be well below the National Council on Radiation Protection and Measurements' ("NCRP") standard adopted by the Federal Communications Commission

BROWN RUDNICK
BERLACK ISRAELS LLP
CITYPLACE I
185 ASYLUM STREET
HARTFORD, CT 06103
(860) 509-6500

("FCC"). The worst-case power density analysis measured at the base of the Tower indicates that the WiMAX antennas and iDEN antennas will emit 3.82% and 4.79% respectively of the NCRP's standard for maximum permissible exposure. A cumulative power density analysis indicates that together, all of the antennas on the Tower will emit only 44.87% of the NCRP's standard for maximum permissible exposure. Therefore, the power density levels will be well below the FCC mandated radio frequency exposure limits in all locations around the Tower, even with extremely conservative assumptions. The power density analysis is attached.

In conclusion, Sprint's proposed plan to replace the antennas at this site does not constitute a modification subject to the Council's jurisdiction because Sprint will not increase the height of the Tower, will not extend the boundaries of the site, will not increase the noise levels at the site, and the total radio frequency electromagnetic radiation power density will stay within all applicable standards. *See* Conn. Agencies Regs. § 16-50j-72.

Sprint Nextel Corporation

By: _____

Thomas J. Regan
Brown Rudnick Berlack Israels LLP
185 Asylum Street, CityPlace I
Hartford, CT 06103-3402
Email - tregan@brownrudnick.com
Phone - 860.509.6522
Fax - 860.509.6622

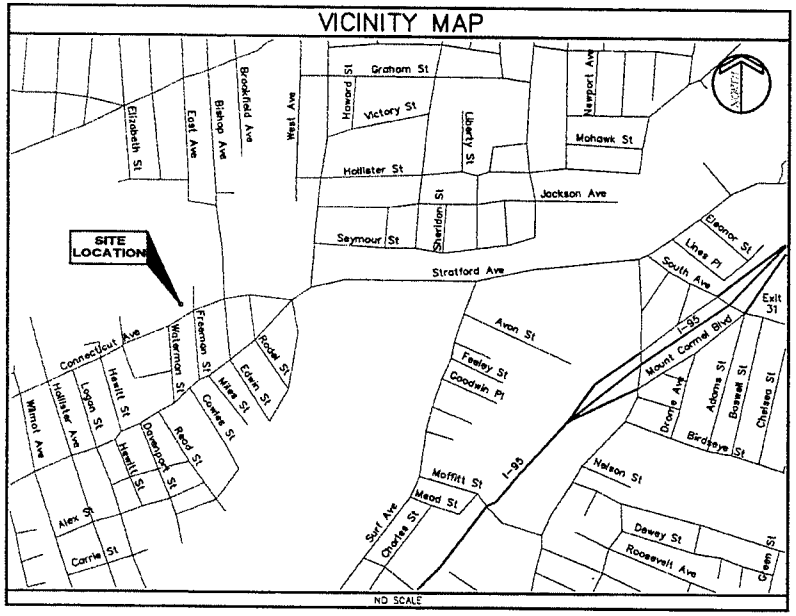
BROWN RUDNICK
BERLACK ISRAELS LLP
CITYPLACE I
185 ASYLUM STREET
HARTFORD, CT 06103
(860) 509-6500

SPRINT NEXTEL CORP.

STRATFORD SOUTH
CT01YC068 / NCT0906
1069 CONNECTICUT AVE
BRIDGEPORT, CT 06607

NOT FOR CONSTRUCTION

VICINITY MAP



DRIVING DIRECTIONS

FROM 100 CORPORATE PLACE, ROCKY HILL, CT.:

TAKE I-91 SOUTH TO I-95 SOUTH. FOLLOW I-95 SOUTH TO EXIT 31 (SOUTH AVENUE). TURN RIGHT AT END OF EXIT ONTO SOUTH AVENUE. TURN LEFT ON STRATFORD AVENUE. TURN SLIGHT RIGHT ON CONNECTICUT AVENUE (THIS IS A ONE WAY STREET). THE SITE WILL BE ON YOUR RIGHT IN THE PARKING LOT AREA OF AMERICAN FABRICS.

PROJECT INDEX

SITE NUMBER:	CT01YC068 / NCT0906
SITE NAME:	STRATFORD SOUTH
SITE ADDRESS:	1069 CONNECTICUT AVENUE BRIDGEPORT, CT 06607
APPLICANT:	SPRINT NEXTEL CORP. 1 INTERNATIONAL BLVD., SUITE 800 MAHWAH, NJ 07495
APPLICANT REPRESENTATIVE:	TRANSCEND WIRELESS, LLC 479 ROUTE 17 NORTH, 2ND FLOOR MAHWAH, NJ 07430
CONTACT:	JASON DEIBERT (347) 284-8617
PROPERTY OWNER:	AMERICAN TOWER 116 HUNTINGTON AVENUE BOSTON, MA 02116
JURISDICTION:	CONNECTICUT SITING COUNCIL
TAX MAP/BLOCK/LOT:	7-4/723/3A
ZONING DISTRICT:	I-LI
CORDINATES:	
LATITUDE:	41° 11' 01.32"N (41.1837 N)
LONGITUDE:	73° 09' 29.52"W (73.1582 W)

SHEET INDEX

SHEET NO:	SHEET TITLE	REVISION HISTORY NO:	REVISION HISTORY DATE
T01	TITLE SHEET	0	12 / 18 / 07
SC01	COMPOUND PLAN	0	12 / 18 / 07
SC02	TOWER ELEVATION	0	12 / 18 / 07

APPLICANT:
SPRINT NEXTEL CORP.
1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07495

TRANSCEND WIRELESS, LLC
479 ROUTE 17 NORTH,
2ND FLOOR
MAHWAH, NJ 07430

CLOUGH HARBOUR & ASSOCIATES LLP
111 Winners Circle, PO Box 5269 • Albany, NY 12205-0269
Main: (518) 453-4500 • www.cloughharbour.com

CHA PROJECT NO.
17181 – 2016 – 1601

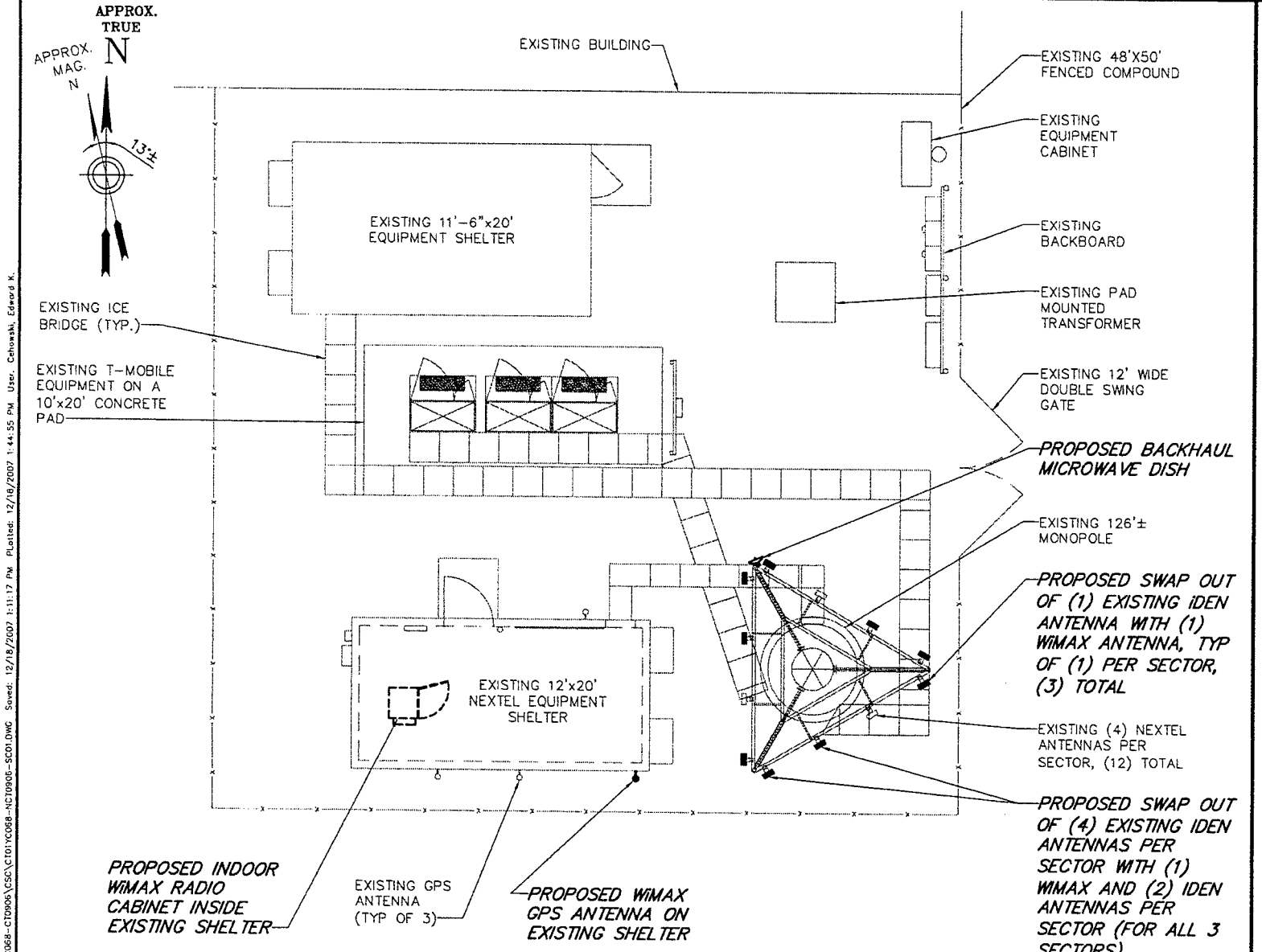
NO.	SUBMITTAL		
0	12/18/07	ISSUED FOR SITING COUNCIL	
	BY: PAL	CHK: RJT	APP'D: JPS

STATE OF CONNECTICUT
JOHN P. SOFFEN
No. 17827
LICENSED
PROFESSIONAL ENGINEER

SITE ID:
CT01YC068-NCT0906
SITE NAME:
STRATFORD SOUTH
SITE ADDRESS:
1069 CONNECTICUT AVE
BRIDGEPORT, CT
06607
FAIRFIELD COUNTY

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T01



1 — COMPOUND PLAN

GRAPHIC SCALE

10 0 5 10

IN FEET

NOT FOR CONSTRUCTION

File: W:\TRANSCEND\17181\STES\2016-CT01YC068-CT0906\CSC\CT01YC068-NCT0906-SC01.DWG Saved: 12/18/2007 1:11:17 PM Plotted: 12/18/2007 1:44:55 PM User: Cehowski, Edward K.

APPLICANT:

SPRINT NEXTEL CORP.

1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07495

TRANSCEND WIRELESS, LLC
479 ROUTE 17 NORTH,
2ND FLOOR
MAHWAH, NJ 07430

CLOUGH HARBOUR & ASSOCIATES LLP
III Winners Circle, PO Box 5269 - Albany, NY 12205-0269
Main: (518) 453-4500 - www.cloughharbour.com

CHA PROJECT NO:
17181 – 2016 – 1601

NO.	SUBMITTAL		
0	12/18/07	ISSUED FOR SITING COUNCIL	
	BY: PAL	CHK: RJT	APP'D: JPS

STATE OF CONNECTICUT
JOHN P. SOBOLEWSKI
No. 17827
LICENSED
PROFESSIONAL ENGINEER

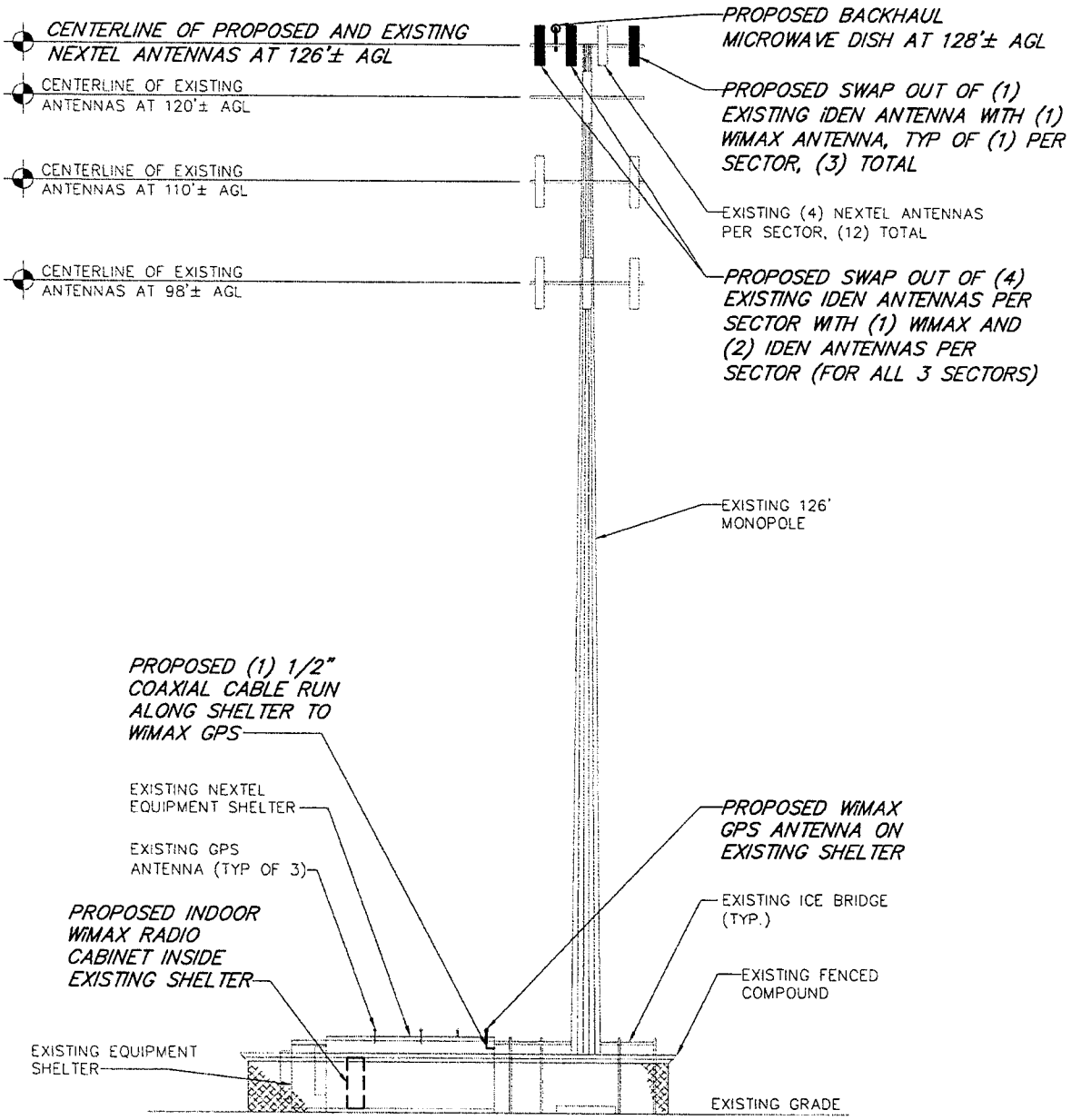
SITE ID:
CT01YC068–NCT0906

SITE NAME:
STRATFORD SOUTH

SITE ADDRESS:
1069 CONNECTICUT AVE
BRIDGEPORT, CT
06607
FAIRFIELD COUNTY

SHEET TITLE
COMPOUND PLAN

SHEET NUMBER
SC01



1 — TOWER ELEVATION

GRAPHIC SCALE

20 0 10 20

IN FEET

NOT FOR CONSTRUCTION

File: W:\TRANSCEND\17181\SITES\2016-CT01YC068-CT0906\CSC\CT01YC068-NCT0906-SC02.DWG Saved: 12/18/2007 1:11:06 PM Plotted: 12/18/2007 1:44:46 PM User: Cehowski, Edward K.

APPLICANT:

SPRINT NEXTEL CORP.

1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07495

TRANSCEND WIRELESS, LLC
479 ROUTE 17 NORTH, 2ND FLOOR
MAHWAH, NJ 07430

CLOUGH HARBOUR & ASSOCIATES LLP
III Winners Circle, PO Box 5269 - Albany, NY 12205-0269
Main: (518) 453-4500 - www.cloughharbour.com

CHA PROJECT NO:
17181 – 2016 – 1601

NO.	SUBMITTAL		
0	12/18/07	ISSUED FOR SITING COUCIL	
	BY: PAL	CHK: RJT	APP'D: JPS

STATE OF CONNECTICUT
JOHN P. SOBIECH
No. 17627
LICENSED
PROFESSIONAL ENGINEER

SITE ID:
CT01YC068–NCT0906

SITE NAME:
STRATFORD SOUTH

SITE ADDRESS:
1069 CONNECTICUT AVE
BRIDGEPORT, CT
06607
FAIRFIELD COUNTY

SHEET TITLE
TOWER ELEVATION

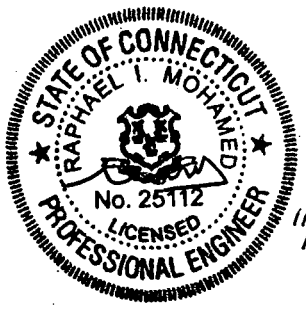
SHEET NUMBER
SC02

AMERICAN TOWER

Structural Analysis Report

Structure	:	**126 ft EEI Monopole**
ATC Site Name	:	**Bridgeport CT 2, CT**
ATC Site Number	:	**302469**
Proposed Carrier	:	**Sprint Nextel**
Carrier Site Name	:	**Statford South**
Carrier Site Number	:	**CT01YC068 CT0906**
County	:	**Fairfield**
Eng. Number	:	**41117923**
Date	:	**November 27, 2007**
Usage	:	**98% [P]**
Portholes Required	:	**No**

Submitted by:
David Johnson, E.I.
Design Engineer



11/29/07

American Tower Engineering Services
400 Regency Forest Drive
Cary, NC 27518
Phone: 919-468-0112

Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 126 ft EEI Monopole located at 1069 Connecticut Avenue, Bridgeport, Connecticut, 06607, Fairfield County (ATC Site No. 302469). The tower was originally designed and manufactured by EEI (Drawing No. GS51663, dated August 25, 1999) and modifications proposed by ATC (Project #41045932, dated November 2, 2007) have been assumed completed and are included in the analysis.

Analysis

The tower was analyzed using Semaan Engineering Solutions, Inc., Software. The analysis assumes that the tower is in good, undamaged, and non-corroded condition.

Basic Wind Speed: 110.0 mph (3-Second Gust)
Radial Ice: 50.0 mph (3-Second Gust) w/ 3/4" ice
Code: ANSI/TIA-222-G / 2003 International Building Code (IBC) w/ 2005 Connecticut Supplements

Antenna Loads

The following antenna loads were used in the tower analysis.

Existing Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
128.0	1	Andrew VHLP2-130	Flat Platform with Handrails	(1) 1/2"	Sprint Nextel
120.0	9	EMS DR85-17-02DPL2Q	Round Low Profile Platform	(18) 1 5/8"	T-Mobile
110.0	12	Powerwave LGP-2140X	Round Low Profile Platform	-	Cingular
	6	Kathrein 800 10122		(12) 1 5/8"	
98.0	3	Kathrein 800 10504	(3) Pipe	(6) 1 5/8"	Metro PCS

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
126.0	8	EMS RR65-12-005BL	Flat Platform with Handrails	(8) 1 5/8"	Sprint Nextel*
	3	KMW AM-X-WM-17-65-00T		(6) 1 1/4"	
	4	EMS RR65-12-000BL		(4) 1 5/8"	

*Sprint Nextel is allowed an equipment configuration not to exceed (9) 48" x 12" and (3) 72" x 12" panels w/ (12) 1-5/8" coax.

Additional proposed coax is to be installed outside the monopole shaft.

Results

The maximum structure usage is: 98%

Additional exit and/or entry ports may be required to accommodate the running of the proposed lines to the proposed antennas. These additional ports **may not** be installed without installation drawings providing the location, size and welding requirements of each port.

To ensure compliance with all conditions of this structural analysis, port installation drawings shall be provided by American Tower's Engineering Department under a subsequent project.

Pole Reactions	Original Design Reactions	Original Design Reactions x 1.35	Current Analysis Reactions	% Of Design
Moment (ft-kips)	2,049.1	2,766.3	2,819.9	102
Shear (kips)	20.7	27.9	33.8	121

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Conclusion

Based on the analysis results, the structure meets the requirements per TIA/EIA-222-F and 2003 IBC w/ 2005 Connecticut Supplements standards. The tower and foundation can support the existing and proposed antennas with the TX line distribution as described in this report.

If you have any questions or require additional information, please call 919-463-6281.

Standard Conditions

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessary limited, to:

-- Information supplied by the client regarding the structure itself, the antenna and feed line loading on the structure and its components, or other relevant information.

-- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of the structure.

It is the responsibility of the client to ensure that the information provided to ATC Engineering Services and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and are in an un-corroded condition and have not deteriorated; and we, therefore, assume that their capacity has not significantly changed from the "as new" condition.

All services will be performed to the codes specified by the client, and we do not imply to meet any other codes or requirements unless explicitly agreed in writing. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/EIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ATC Engineering Services is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

CT01YC068 (1069 Connecticut Avenue, Bridgeport, CT) - Siting Council Power Density Calculations

Sprint Nextel Directional Antennas ESMR - 2657 MHz 126'

Note: Power densities are in mW/ cm²

Transmitters:	Frequency in MHz	CT Standard mW/ cm²	Number of Channels	ERP (W) per channel	Centerline of Tx antennas AGL (ft.)**	Power density calculated at base of tower	% of CT Standard
WiMAX	2657	1.0000	3	562	126	0.0381676	3.82%
iDEN	851	0.5673	12	100	126	0.0271655	4.79%
Microwave	22500	1.0000	2	31.6	128	0.0013864	0.14%
From previous filings:per CSC power density data base							
Cingular							3.00%
Cingular							2.54%
VoiceStream							4.81%
XM Satellite Radio							15.83%
AT&T							3.60%
AT&T							6.35%
Total % of CT Standard							44.87%