



Daniel F. Caruso
Chairman

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@ct.gov

Internet: ct.gov/csc

June 18, 2009

Steven L. Levine
Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-162-090521** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 15 Oakdale Avenue, Winchester, Connecticut.

Dear Mr. Levine:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- The tower base plate shall be reinforced per page 2 of the structural analysis report sealed by Raphael Mohamed, P.E. prior to the antenna installation;
- A tower shall not exceed 100 percent of its post-construction structural rating; and
- A signed letter from a Professional Engineer duly licensed in the State of Connecticut shall be submitted to the Council to certify that the reinforcements were properly completed and the tower does not exceed 100 percent of its post-construction structural rating.

The proposed modifications are to be implemented as specified here and in your notice dated May 21, 2009 and additional information received on June 18, 2009, 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. Please be advised that the validity of this action shall expire one year from the date of this letter. 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,

A handwritten signature in black ink that reads "S. Derek Phelps" with a small "2009" written below the name.

S. Derek Phelps
Executive Director

SDP/MP/laf

- c: The Honorable Kenneth J. Fracasso, Mayor, Town of Winchester
- Keith Robbins, Town Manager, Town of Winchester
- Anthony Cannavo, Planning and Zoning Chairman, Town of Winchester
- American Tower

Perrone, Michael

From: LEVINE, STEVEN (ATTCINW) [SL3764@att.com]
Sent: Thursday, June 18, 2009 11:16 AM
To: Perrone, Michael
Subject: Oakdale Ave, Winchester
Attachments: UMTS Data Form - 1071 - Winchester.doc

Mike,

Here's the correction for Winchester from 187 to 184 ft.

Thanks.

AT&T Mobility / New Cingular Wireless PCS, LLC

Steve Levine

500 Enterprise Drive, 3rd Fl., Rocky Hill, CT 06067

Real Estate Consultant

Office 860-513-7636

Mobile 203-556-1655

Fax 860-513-7190

This e-mail, and any attachments, are intended only for use by the address(es) named herein and may contain legally privileged and/or confidential information. It is the property of Cingular Wireless. If you are not the intended recipient of this email, you are hereby notified that any dissemination, distribution or copying of this email, any attachments thereto, and any use of the information contained is strictly prohibited. If you have received this email in error, please notify me at (860-513-7636) and permanently delete the original and any copy thereof.

**NEW CINGULAR WIRELESS
Equipment Modification**

15 Oakdale Avenue, Winchester
Site Number 1071
Docket 138.4; EM approved 2/91, 8/00, and 8/02

Tower Owner/Manager: American Tower

Equipment Configuration: Monopole

Current and/or Approved: Nine CSS panel antennas @ 184 ft AGL
Six TMA's and three diplexers @ 184 ft
Nine runs 1¼ inch coax cable
Equipment shelter

Planned Modifications: Remove existing antennas, TMA's, diplexers, and coax
Install six Powerwave 7770 antennas (or equivalent) @ 184 ft
Install six TMA's and six diplexers @ 184 ft
Install twelve runs 1 5/8 inch coax

Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 54.2 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 53.3 % of the standard.

Existing

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
Other Users *							49.35
AT&T TDMA *	184	880 - 894	16	100	0.0170	0.5867	2.90
AT&T GSM *	184	1900 Band	2	427	0.0091	1.0000	0.91
AT&T GSM *	184	880 - 894	2	296	0.0063	0.5867	1.07
Total							54.2%

* Per CSC records

Proposed

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
Other Users *							49.35
AT&T UMTS	184	880 - 894	1	500	0.0053	0.5867	0.91
AT&T GSM	184	1900 Band	2	427	0.0091	1.0000	0.91
AT&T GSM	184	880 - 894	4	296	0.0126	0.5867	2.14
Total							53.3%

* Per CSC records

Structural information:

The attached structural analysis demonstrates that the tower will have sufficient structural capacity to accommodate the proposed equipment modifications upon completion of structural upgrades required under EM-Pocket-162-081223. (American Tower, 5/18/09)

EM-CING-162-090521



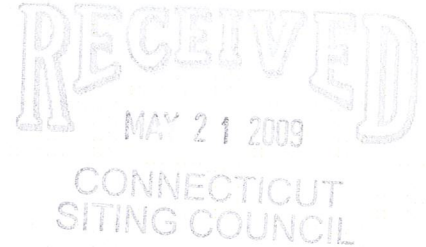
Cingular Wireless PCS, LLC
Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

Steven L. Levine
Real Estate Consultant

ORIGINAL

HAND DELIVERED

May 21, 2009



Honorable Daniel F. Caruso, Chairman,
and Members of the Connecticut Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: New Cingular Wireless PCS, LLC notice of intent to modify an existing tele-communications facility located at 15 Oakdale Avenue, Winchester (owner, American Tower)

Dear Chairman Caruso and Members of the Council:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("AT&T") plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, 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 and attachments is being sent to the chief elected official of the municipality in which the affected cell site is located.

UMTS technology offers services to mobile computer and phone users anywhere in the world. Based on the Global System for Mobile (GSM) communication standard, UMTS is the planned worldwide standard for mobile users. UMTS, fully implemented, gives computer and phone users high-speed access to the Internet as they travel. They have the same capabilities even when they roam, through both terrestrial wireless and satellite transmissions.

Attached is a summary of the planned modifications, including power density calculations reflecting the change in AT&T's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

The changes to the facility do not constitute modifications 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).

1. The height of the overall structure will be unaffected.
2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound other than some enlarged equipment pads as may be noted in the attachments.
3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.
4. Radio frequency power density may increase due to use of one or more GSM channel for UMTS transmissions. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, New Cingular Wireless respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 513-7636 with questions concerning this matter. Thank you for your consideration.

Sincerely,



Steven L. Levine
Real Estate Consultant

Attachments

**NEW CINGULAR WIRELESS
Equipment Modification**

15 Oakdale Avenue, Winchester
Site Number 1071
Docket 138.4; EM approved 2/91, 8/00, and 8/02

Tower Owner/Manager: American Tower

Equipment Configuration: Monopole

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Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 54.2 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 53.2 % of the standard.

Existing

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
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AT&T TDMA *	184	880 - 894	16	100	0.0170	0.5867	2.90
AT&T GSM *	184	1900 Band	2	427	0.0091	1.0000	0.91
AT&T GSM *	184	880 - 894	2	296	0.0063	0.5867	1.07
Total							54.2%

* Per CSC records

Proposed

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
Other Users *							49.35
AT&T UMIS	187	880 - 894	1	500	0.0051	0.5867	0.88
AT&T GSM	187	1900 Band	2	427	0.0088	1.0000	0.88
AT&T GSM	187	880 - 894	4	296	0.0122	0.5867	2.08
Total							53.2%

* Per CSC records

Structural information:

The attached structural analysis demonstrates that the tower will have sufficient structural capacity to accommodate the proposed equipment modifications upon completion of structural upgrades required under EM-Pocket-162-081223. (American Tower, 5/18/09)



New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

Steven L. Levine
Real Estate Consultant

May 21, 2009

Mr. Keith Robbins, Town Manager
Town of Winchester
Town Hall 338 Main Street
Winsted, CT 06098

Re: Telecommunications Facility – 15 Oakdale Drive

Dear Mr. Robbins:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System (“UMTS”) capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC (“AT&T”) will be changing its equipment configuration at certain cell sites.

As required by Regulations of Connecticut State Agencies (“R.C.S.A.”) Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review AT&T’s proposal. Please accept this letter as notification 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 accompanying letter to the Siting Council fully describes AT&T’s proposal for the referenced cell site. However, if you have any questions or require any further information on our plans or the Siting Council’s procedures, please call me at (860) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure



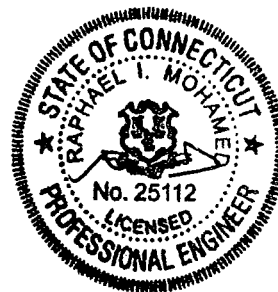
AMERICAN TOWER

Structural Analysis Report

Structure : 180 ft EEI Monopole
ATC Site Name : Winchester CT 3, CT
ATC Site Number : 302506
Proposed Carrier : AT&T Mobility
Carrier Site Name : Winchester
Carrier Site Number : 1071
County : Litchfield
Eng. Number : 43410521
Date : May 18, 2009*
Usage : 90% [P]
Portholes Required : No

Submitted by:
Zachary A. Medoff, E.I.
Design Engineer

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



5/19/09

Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 180 ft EEI Monopole located at 15 Oakdale Avenue, Winsted, CT 06098, Litchfield County (ATC site #302506). The tower was originally designed and manufactured by EEI (Job #7676, dated August 21, 2000). **Modifications recommended in an analysis by ATC (Eng. #42523421, dated October 23, 2008) are assumed complete.**

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: 90 mph (3-Second Gust)
 Radial Ice: 40 mph (3-Second Gust) w/ 1 1/4" ice
 Code: ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2008 CT Amendments

Antenna Loads

The following antenna loads were used in the tower analysis.

Existing Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax (in)	Carrier
184.0	1	10' Omni	Flat Low Profile Platform	(1) 7/8	USA Mobility
174.0	4	Antel LPD-7905/4	Flat Low Profile Platform	(11) 1 5/8	Alltel
	4	Nokia CS72993.07			
	2	Decibel 731DG85V1EXM			
166.0	6	CCI DTMA-1819-DD-12	T-Arms	(18) 1 5/8	T-Mobile
	9	RFS APX16PV-16PVL-E-00			
142.0	1	56" Dipole	Side Arms	(4) 1 5/8 (1) 1/2	CT Police Dept.
	2	10' Omni			
134.0	9	Andrew DB980H90E-M	Flat Low Profile Platform	(9) 1 5/8	Sprint Nextel
125.0	2	Antel LPA-80063/6CF	Round Low Profile Platform	(12) 1 5/8	Verizon
	4	Antel LPA-80080/6CF			
	4	Decibel DB950F85E-M			
	2	Decibel DB950F65E-M			
114.5	12	Decibel DB844H90E-XY	Round Low Profile Platform	(12) 1 1/4	Sprint Nextel
105.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8	Youghioghney

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax (in)	Carrier
184.0	6	Powerwave LGP21901	Low Profile Platform	(12) 1 5/8	AT&T Mobility
	6	Powerwave 7020.00 Dual Band RET			
	6	Powerwave 7770.00			
	6	Powerwave LGP21401			

Install proposed coax inside monopole.

Results

The maximum structure usage is: 90%

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	Factored Design Reactions*	Current Analysis Reactions	% Of Design
Moment (ft-kips)	3,377.9	4,560.2	3,734.9	82
Shear (kips)	28.4	38.3	30.6	80

* The design reactions are factored by 1.35 per ANSI/TIA-222-G, Sec. 15.5.1

The structure base reactions resulting from this analysis are acceptable when compared to the reactions shown on the original structure drawings, therefore no modification or reinforcement of the foundation will be required.

Conclusion

Based on the analysis results, the structure meets the requirements per ANSI/TIA-222-G and 2003 IBC with 2005 CT Supplement & 2008 Amendments. The tower and foundation can support the existing and proposed antennas with the TX line distribution as described in this report.

The pending modifications listed in the introduction must be installed prior to the proposed equipment or the results of this analysis are rendered void.

If you have any questions or require additional information, please call 919-465-6535.

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:

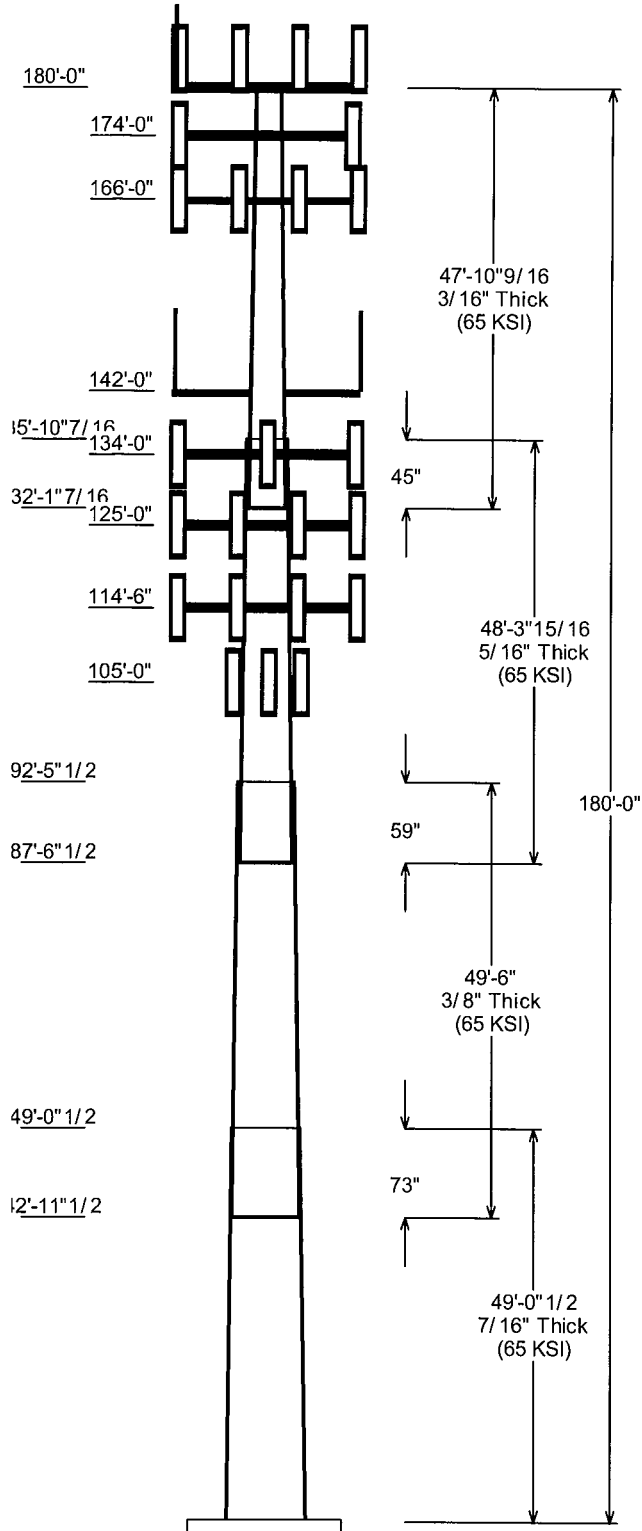
- Information supplied by the client regarding the structure itself, the antenna and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of 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.

Copyright Semaan Engineering Solutions, Inc



Job Information			
Pole :	302506	Code:	ANSI/TIA-222 Rev G
Description :	180 ft EB Monopole	Struct Class :	II
Client :	AT&T Mobility	Exposure :	B
Location :	Winchester CT 3, CT	Topo :	1
Shape :	18 Sides	Base Elev (ft):	0.00
Height :	180.00 (ft)	Taper:	0.219444(in/ft)

Sections Properties							
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
		Across Top	Flats Bottom				
1	49.040	41.98	52.75	0.438	0.000	0.219444	65
2	49.500	33.21	44.07	0.375 Slip Joint	73.000	0.219444	65
3	48.330	24.30	34.91	0.313 Slip Joint	59.000	0.219444	65
4	47.880	15.00	25.50	0.188 Slip Joint	45.000	0.219444	65

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
180.000	184.000	6	Powerwave LGP21901	
180.000	184.000	6	Powerwave 7020.00 Dual Band	
180.000	184.000	6	Powerwave 7770.00	
180.000	184.000	6	Powerwave LGP21401	
180.000	189.000	1	10' Omni	
180.000	180.000	1	Flat Low Profile Platform	
174.000	174.000	1	Flat Low Profile Platform	
174.000	174.000	4	Antel LPD-7905/4	
174.000	174.000	4	Nokia CS72993.07	
174.000	174.000	2	Decibel 731DG85V1EXM	
166.000	166.000	3	T-Arms	
166.000	166.000	6	CCI DTMA-1819-DD-12	
166.000	166.000	9	RFS APX16PV-16PVL-E-00	
142.000	142.000	2	Side Arms	
142.000	142.000	1	56" Dipole	
142.000	147.000	2	10' Omni	
134.000	134.000	1	Flat Low Profile Platform	
134.000	134.000	9	Andrew DB980H90E-M	
125.000	125.000	1	Round Low Profile Platform	
125.000	125.000	2	Antel LPA-80063/6CF	
125.000	125.000	4	Antel LPA-80080/6CF	
125.000	125.000	4	Decibel DB950F85E-M	
125.000	125.000	2	Decibel DB950F65E-M	
114.500	114.500	1	Round Low Profile Platform	
114.500	114.500	12	Decibel DB844H90E-XY	
105.000	105.000	3	RFS APXV18-206517S-C	

Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
0.000	105.0	1 5/8" Coax	Yes
0.000	114.5	1 1/4" Coax	Yes
0.000	125.0	1 5/8" Coax	Yes
0.000	134.0	1 5/8" Coax	No
0.000	142.0	1 5/8" Coax	No
0.000	142.0	1/2" Coax	No
0.000	166.0	1 5/8" Coax	Yes
0.000	174.0	1 5/8" Coax	No
0.000	180.0	1 5/8" Coax	No
0.000	180.0	7/8" Coax	No

Load Cases	
1.2D + 1.6W	90.00 mph with No Ice
0.9D + 1.6W	90.00 mph with No Ice (Reduced DL)

1.2D + 1.0Di + 1.0Wi

40.00 mph with 1.25 in Radial Ice

Reactions

Load Case	Moment (Kip-ft)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W	3734.89	30.56	54.34
0.9D + 1.6W	3580.01	29.26	40.75
1.2D + 1.0Di + 1.0Wi	896.84	6.30	129.48

