

Licensee Site Name: CH CALIFORNIA & ROSCOE
MDG#: 5000352995

SECOND AMENDMENT TO REVOCABLE LICENSE AGREEMENT

This Second **Amendment to Revocable License Agreement** (“Second Amendment”), is entered into by and between the **Board of Education of the City of Chicago**, as Licensor (“Licensor”), and **Chicago SMSA Limited Partnership, an Illinois limited partnership, d/b/a Verizon Wireless**, as Licensee (“Licensee”).

RECITALS

A. Licensor and Licensee entered into that certain Revocable License Agreement, dated April 26, 2017 (the “Original Agreement”) and that certain First Amendment to Revocable License Agreement, dated April 18, 2022 (“First Amendment”, and together with the Original Agreement, the “Agreement”) pursuant to which Licensor agreed to permit Licensee to maintain equipment at the property commonly known as Lane Tech High School, 2501 West Addison Avenue, Chicago, Illinois 60618 (“Property”);

B. The current term of the Agreement commenced as of July 1, 2022 and continues through June 30, 2027, and is automatically renewable in five (5) year periods, provided that the Term, comprised of the Initial Term and all Renewal Terms, does not exceed twenty-five (25) years; and

C. Licensor and Licensee desire to modify the Agreement to provide for the removal and installation of certain equipment at the Property by Licensee.

AGREEMENT

NOW THEREFORE, for good and valuable consideration, the receipt and legal sufficiency of which are hereby acknowledged, Licensor and Licensee agree as follows

1. Incorporation of Recitals. The foregoing recitals are incorporated into this Second Amendment by reference as if fully set forth in this Second Amendment.

2. Additional Equipment. As set forth in the drawings attached as Exhibit “A” to this Second Amendment, Licensee shall: 1) install three (3) new antennas and remove three (3) existing antennas and three (3) existing radios; 2) paint all proposed antennas, equipment, frames, cable trays and conduit visible from the ground to match adjacent masonry; and 3) patch several small areas of open mortar joints on the chimney (collectively, the “Work”). The Work shall be completed, weather and other delays caused by circumstances beyond control of Licensee (including but not limited to material and equipment shortages and delays, Licensor rules and regulations regarding timing of Work, etc.) permitting, within ninety (90) days after execution of this Second Amendment. The Exhibit “A” attached to this Second Amendment shall amend and supplement the Exhibit “A” attached to the Agreement.

3. Replacement Installation Fee. Licensee shall pay to Licensor a fee in the amount of Five Thousand Dollars (\$5,000.00), in accordance with the terms of Section 5.2 of the Agreement. Said fee shall be paid as capital and not as rent.

Licensee Site Name: CH CALIFORNIA & ROSCOE
MDG#: 5000352995

4. Full Force and Effect. Except as specifically modified by the terms of this Second Amendment, all of the terms, definitions, covenants, and provisions of the Agreement remain in full force and effect and are not otherwise revised, amended, or changed.

5. Conflict. In the event of any conflict between the terms of this Second Amendment and the terms of the Agreement, the terms of this Second Amendment shall control.

6. Whole Agreement. The mutual obligations of the parties as provided herein are the sole consideration for this Second Amendment, and no representations, promises or inducements have been made by the parties other than as appear in this Second Amendment. This Second Amendment may not be amended except in writing signed by both parties.

IN WITNESS WHEREOF, Licensor and Licensee have executed this Second Amendment to Revocable License Agreement effective upon the date of the last party to execute below.

LICENSOR

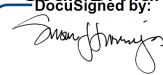
LICENSEE

Board of Education of the City of Chicago

Chicago SMSA Limited Partnership d/b/a
Verizon Wireless


Signed by:  
By: _____
A250C46449D1452...

By: Cellco Partnership, its General Partner

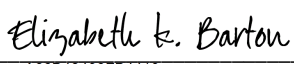
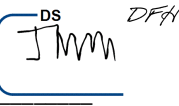
Attest: 
Susan J. Narrajos, Secretary
ADC8249319B6449...

By: 
Its: Assoc Dir-Tech Proj Mgmt

Date: December 16, 2025 | 11:53:47 AM CST

Signed by: 
By: _____
1406F92741F44F8
Macquiline King, Ed.D
Its: Interim Superintendent/Chief Executive Officer

Approved as to Legal Form

Signed by:  
By: _____
A66B48498FB4410
Elizabeth K. Barton
Its: Acting General Counsel
Board Report No.: 15-0422-OP1- 193

Licensee Site Name: CH CALIFORNIA & ROSCOE
MDG#: 5000352995

EXHIBIT A

DRAWINGS

APPROVALS	
REAL ESTATE:	_____
RF:	_____
CONSTRUCTION:	_____
EQUIPMENT ENGINEERING:	_____
OPERATIONS:	_____



CONSULTANT TEAM	
PROJECT CONSULTANT:	TERRA CONSULTING GROUP, LLC. 600 N. LAKE STREET PARK RIDGE, IL 60068 (847) 698-4400
STRUCTURAL CONSULTANT:	HUTTER TRANKINA ENGINEERING 32 W 273 ARMY TRAIL RD. WAUWATSEGA, IL 60194 (830) 513-8711
STRUCTURAL CONSULTANT:	HUTTER TRANKINA ENGINEERING 32 W 273 ARMY TRAIL RD. WAUWATSEGA, IL 60194 (830) 513-8711
STRUCTURAL ANALYSIS STATUS:	COMPLETE
MOUNT ANALYSIS STATUS:	PASS
MOUNT ANALYSIS DATE:	09/10/2025
STRUCTURAL ANALYSIS DATE:	09/10/2025

verizon
1701 GOLF ROAD
ROLLING MEADOWS, IL 60008
PHONE: (847) 619-5397
FAX: (847) 706-7415

Verizon

1701 GOLF ROAD, TOWER 2, SUITE 400
ROLLING MEADOWS, ILLINOIS 60008
PHONE: (847) 619-5397 FAX: (847) 706-7415

MDG LOCATION NUMBER: 5000352995

SITE NAME:
CALIFORNIA AND ROSCOE
LANE TECH HIGH SCHOOL
2501 W ADDISON STREET
CHICAGO, IL 60618

GENERAL CONTRACTOR IS TO PROVIDE DESIGNER A SHOP DRAWING AND/OR CUT SHEET FOR STEEL FABRICATION, ELECTRICAL COMPONENTS, MECHANICAL COMPONENTS PRIOR TO FABRICATION OR PURCHASE. IF THERE ARE ANY CONFLICTS WITH SPECIFIED PART MODEL NUMBERS, PLEASE BRING THAT TO THE ATTENTION OF THE DESIGNER.

PROJECT INFORMATION	
OCCUPANCY:	UNINHABITED
SITE ADDRESS:	LANE TECH HIGH SCHOOL 2501 W ADDISON STREET CHICAGO, IL 60618
LATITUDE:	41°36'40.87"N (APPROXIMATE)
LONGITUDE:	87°41'28.69"W (APPROXIMATE)
STRUCTURE OWNER:	CHICAGO PUBLIC SCHOOL (CPS) DEBORAH F. HILL OFFICE: (312) 345-3800 dfhill@cpsd.org
APPLICANT:	VERIZON WIRELESS 1701 GOLF ROAD TOWER 2 SUITE 400 ROLLING MEADOWS, IL 60008
REAL ESTATE MANAGER:	KIM KUESTER (830) 303-5403

REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR REVIEW
2	ISSUED FOR FINAL
3	REVISED PER 3RD PARTY COMMENTS

STATEMENT THAT COMPLIANCE WITH THE ENERGY CODE IS NOT REQUIRED
I CERTIFY THAT I AM THE REGISTERED DESIGN PROFESSIONAL FOR THIS PROJECT. I ALSO CERTIFY THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF THE ATTACHED PLANS FOR ADDRESS 2501 W ADDISON STREET, CHICAGO, IL 60618 DO NOT NEED TO COMPLY WITH THE REQUIREMENTS OF CHAPTER 18-1.3 ENERGY CONSERVATION OF THE MUNICIPAL CODE OF CHICAGO.
THE PROJECT NEED NOT COMPLY BECAUSE 18-1.3.01.42 UNCONDITIONED BUILDING.
SIGNED: *Mark A. Janssen* DATE: 09/29/2025
(ARCH, S.E. OR P.E.)
ILLINOIS LICENSE NUMBER: 083205210 PROFESSIONAL ENGINEER

THESE PLANS HAVE BEEN DESIGNED TO CONFORM WITH THE FOLLOWING BUILDING CODES:
CHICAGO BUILDING CODE
CHICAGO ELECTRICAL CODE
CHICAGO MECHANICAL CODE
CHICAGO FIRE PREVENTION CODE
CHICAGO PLUMBING CODE
CHICAGO MECHANICAL CODE
CHICAGO ENERGY CONSERVATION CODE
COOK COUNTY BUILDING AND ENVIRONMENTAL ORDINANCE
THESE PLANS HAVE BEEN DESIGNED TO CONFORM WITH THE CHICAGO BUILDING CODE, 2019 EDITION AND EMTA-222H

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, COMPLY WITH THE REQUIREMENTS OF THE CHICAGO BUILDING CODE.

PROFESSIONAL ENGINEER

ARCHITECT

DIGGER CHICAGO UTILITY ALERT NETWORK 312-774-7000 www.digdiggo.org/information	
SHEET	DRAWING INDEX
T-1	TITLE SHEET
T-2	DOB GENERAL REQUIREMENTS
A-1	ROOF PLAN
ANT-1	SITE ELEVATION
ANT-2	ANTENNA LAYOUT
ANT-2A	PROPOSED ANTENNA LAYOUT
ANT-3	ANTENNA INFORMATION
ANT-3A	COMBINER CABLE DATA & CABLE DIAGRAM
ANT-4	DETAILS
SP-1	GENERAL NOTES
SP-2	GENERAL NOTES
EK-1	PHOTO EXHIBIT

MDG #
5000352995

CALIFORNIA & ROSCOE

2501 W ADDISON STREET
CHICAGO, IL 60618
LANE TECH HIGH SCHOOL

DRAWN BY: RAN
CHECKED BY: AU
DATE: 01/28/2025
PROJECT #: 1242667

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

CITY OF CHICAGO DEPARTMENT OF BUILDINGS
GENERAL BUILDING REQUIREMENTS PER CHICAGO ZONING ORDINANCE (CZO) AND CHICAGO BUILDING CODE (CBD)

ITEM	ISSUE	CHAPTER/ARTICLE	ORDINANCE REQUIREMENT	ACTUAL	REQUIREMENT	LOCATION SHEET NO.	AGENCY/TEST NO.	REMARKS
PART 1 - ZONING REQUIREMENTS								
1.01	ZONING DISTRICT	CZO TITLE 17			N/A	C-1		
1.02	LOT AREA				N/A			
1.03	MAXIMUM FLOOR AREA RATIO				N/A			
1.04	TOTAL BUILDING AREA				N/A			
1.05	BUILDING HEIGHT (FEET) - No. OF FLOORS				N/A			
1.06	MINIMUM YARDS				N/A			
1.07	GRADE ELEVATION (CDD)				N/A	T-1		
1.08	OFF STREET LOADING				N/A			
1.09	OFF STREET PARKING				N/A			
1.10	LANDSCAPING				N/A			
1.11	TOWNHOUSE ORDINANCE				N/A			
PART 2 - BUILDING REQUIREMENTS								
2.01	OCCUPANCY CLASSIFICATION(S)	313-561 PAGE 115			N/A			
2.02	HEIGHT AND AREA LIMITATIONS	513-481 PAGE 323			N/A			
	a) EXCEPTIONS TO AREA LIMITATIONS	513-481 PAGE 256			N/A			
	b) MIXED OCCUPANCY BUILDINGS	613-601 PAGE 328			N/A			
2.03	TYPES OF CONSTRUCTIONS	313-561 PAGE 118			N/A			
2.04	MIXED OCCUPANCY SEPARATIONS	613-601 PAGE 330			N/A			
2.05	REG. IHS OF FIRE RESISTANCE	TABLE 613-601-100			N/A			
	EXTERIOR BEARING WALLS	TABLE 613-601-100			N/A			
	EXTERIOR - NON-BEARING WALLS	TABLE 613-601-100			N/A			
	INTERIOR BEARING WALLS	TABLE 613-601-100			N/A			
	INTERIOR - NON-BEARING WALLS	TABLE 613-601-100			N/A			
	COLUMNS	TABLE 613-601-100			N/A			
	COLUMNS SUPPORTING ROOFS ONLY	TABLE 613-601-100			N/A			
	BEAMS	TABLE 613-601-100			N/A			
	BEAMS SUPPORTING ROOFS ONLY	TABLE 613-601-100			N/A			
	FLOOR CONSTRUCTION	TABLE 613-601-100			N/A			
2.06	ELEVATOR FRAMING	613-601-300 PAGE 331			N/A			
2.07	MEZZANINE FLOORS	613-601-300 PAGE 332			N/A			
2.08	BASEMENT CONSTRUCTION	613-601-300 PAGE 332			N/A			
2.09	PIERS AND FOUNDATIONS	715-8-100 PAGE 335			N/A			
2.10	a) FIRE WALLS - CONSTRUCTION	715-8-100 PAGE 335			N/A			
	b) PARAPETS	715-8-100 PAGE 335 & 336			N/A			
	c) STAIRWAY ENCLOSURES	715-8-400 PAGE 337			N/A			
	d) ELEVATOR ENCLOSURES	715-8-400 PAGE 338			N/A			
	e) ENCLOSURES OF HEATING ROOMS	715-8-400 PAGE 339			N/A			
	f) OTHER ENCLOSURES	715-8-400 PAGE 341			N/A			
	g) INTERIOR WALL AND C.G. FINISHES	715-8-400 PAGE 341			N/A			
	h) STORAGE ROOMS OVER 100 SQ. FT.	715-8-400 PAGE 348			N/A			
2.11	FIRE - RESISTIVE MATERIALS AND CONSTRUCTION	715-124(66)			N/A			
2.12	ACCEPTED ENGINEERING PRACTICE				N/A			
2.13	FIRE PROTECTION EQUIPMENT	915-161 PAGE 361			N/A			
	a) SPRINKLER SYSTEMS	915-161(10) PAGE 362			N/A			
	b) SPECIAL REQUIREMENTS	915-161(20) PAGE 362			N/A			
PART 3 - EXIT REQUIREMENTS								
3.01	TYPES OF EXITS	10133-160-240 PAGE 388			N/A			
3.02	MINIMUM NUMBER OF EXITS	10133-160-250 PAGE 388			N/A			
3.03	TRAVEL SURFACE WIDTH	10133-160-100 PAGE 389			N/A			
	a) EXITS FROM BUILDINGS	10133-160-150 PAGE 389			N/A			
	b) EXITS FROM BUILDINGS	10133-160-210 PAGE 389			N/A			
3.04	CAPACITY OF EXITS	10133-160-210 PAGE 389			N/A			
3.05	MINIMUM WIDTH OF EXITS	10133-160-220 PAGE 389			N/A			
3.06	SWING OF EXIT DOORS	10133-160-250 PAGE 389			N/A			
3.07	HARDWARE	10133-160-250 PAGE 389			N/A			
3.08	REVOLVING DOORS	10133-160-270 PAGE 389			N/A			
3.09	LANDINGS	10133-160-310 PAGE 384			N/A			
3.10	HANDRAILS	10133-160-320 PAGE 384			N/A			
3.11	CONSTRUCTION	10133-160-330 PAGE 384			N/A			
3.12	ENCLOSURES	715-8-140 PAGE 337			N/A			
3.13	HEAD ROOM	10133-160-350 PAGE 384			N/A			



T-2
 SHEET NUMBER
DOB GENERAL REQUIREMENTS

2501 W ADDISON STREET
 CHICAGO, IL 60618
 LANE TECH HIGH SCHOOL
CALIFORNIA & ROSCOE
 MDG #
 5000352995

NO.	DATE	DESCRIPTION	BY
1	01/29/2021	ISSUED FOR REVIEW	EA
2	05/07/2023	ISSUED FOR FINAL	EA
3	09/25/2025	REVISED PER 3RD PARTY COMMENTS	AU



verizon
 701 GOLF ROAD
 ROLLING MEADOWS, IL 60008
 PHONE: (847) 819-5397
 FAX: (847) 706-7415

RF EMISSIONS REPORT PROVIDED

YES NO

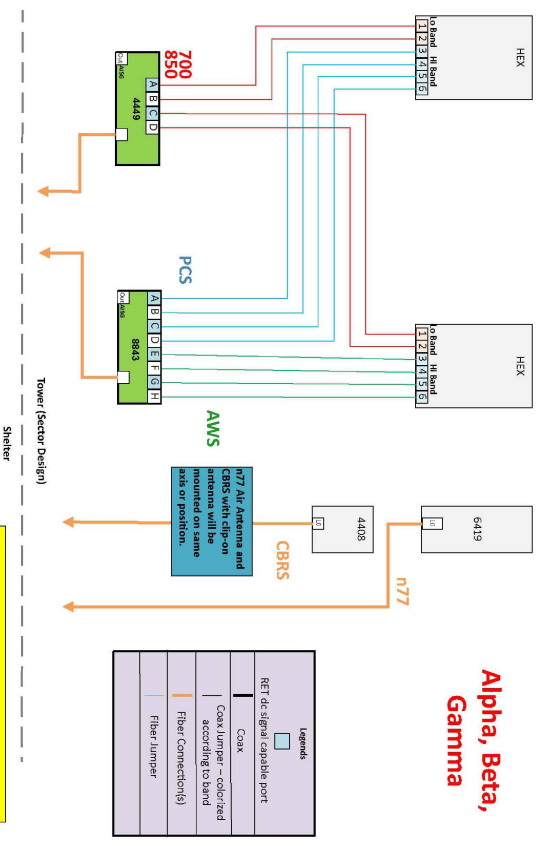
DATE OF REPORT: 02/11/2025

SIGNAL BARRIERS REQUIRED

YES NO

EXISTING EQUIPMENT TO BE REUSED		
LOCATION	COMPONENT	COUNT
TOP	MAIN RAYCAP	3
BOTTOM	MAIN RAYCAP	3
EXISTING CABLING TO BE REUSED		
TYPE	SIZE	COUNT
HYBRID	MAIN TRUNK	3
COAX	N/A	0

1 RAYCAP/HYBRID CABLE INFORMATION



Alpha, Beta, Gamma

Notes:
 - Antenna view is from the back of the antennas
 - Colors of connection are just for clarification
 - Follow RET cabling standard for non-Smart Site-T-Ants
 - Non-IP part element like OVP/NTIA box and Hybrid
 - Size of objects in drawing doesn't reflect equipment true dimension

2 CABLE DIAGRAM



REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	01/29/2025	RA	ISSUED FOR REVIEW
2	05/07/2025	RA	ISSUED FOR FINAL
3	09/25/2025	AU	REVISED PER 3RD PARTY COMMENTS

TERRA
 Terra Group, Inc.
 1000 N. LaSalle Street, Suite 1000
 Chicago, IL 60610
 Phone: (312) 467-8800
 Fax: (312) 467-8801

Verizon
 701 GOLF ROAD
 ROLLING MEADOWS, IL 60008
 PHONE: (847) 819-5397
 FAX: (847) 706-7415

MDG #
 50003522995
CALIFORNIA & ROSCOE
 2501 W ADDISON STREET
 CHICAGO, IL 60618
 LANE TECH HIGH SCHOOL
 DRAWN BY: RA
 CHECKED BY: AU
 DATE: 01/29/2025
 PROJECT #: 1242667
 SHEET TITLE
COMBINER CABLE DATA & CABLE DIAGRAM
ANT-3A
 SHEET NUMBER



Radio Frequency Exposure FCC Compliance Assessment

Pre-Activation Post-Activation

SITE INFORMATION			
Site Name	California & Roscoe	Multi-Licensee/Carrier Facility	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Street Address	2501 W. Addison Street	Is Verizon a Significant RFE Contributor in Co-Locator	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
City, State, Zip	Chicago, IL 60618	Areas Requiring Mitigation?	<input type="checkbox"/> N/A
Verizon's Max % MPE (Measured - General Population (GP))	NA	Verizon's Max % MPE (Predictive - GP)	16.4% GP MPE Predictive (Main Roof Level)
Structure Type	SMOKESTACK (Rooftop)	Assessment Date	02/11/25
Broadcast (AM/FM/TV) Co-Locators	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Assessment Purpose	Modification
Total # Access Points	NA	# Total Report Revisions	0
Original Report Date	02/11/25	Report Revision Date	#N/A
RFE Compliance Status	<input checked="" type="checkbox"/> SITE COMPLIANT AS DESIGNED (no additional mitigation required) <input type="checkbox"/> SITE MITIGATION IS REQUIRED (see requirements below) (barriers, signs, etc) <input type="checkbox"/> SITE will be COMPLIANT with REQUIRED SITE REDDESIGN (and power changes)		

VERIZON'S HIGHEST (WORST) RF EMISSIONS INACCESSIBLE AREAS FOR THIS SITE

<input checked="" type="checkbox"/>	BELOW the General Population MPE limit
<input type="checkbox"/>	ABOVE the General Population MPE limit and BELOW the Occupational MPE limit
<input type="checkbox"/>	ABOVE the Occupational MPE limit and BELOW 10x the Occupational MPE limit
<input type="checkbox"/>	ABOVE 10x the Occupational MPE limit

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Final Compliant Configuration	GUIDELINES	NOTICE	CAUTION	WARNING	INFORMATION	Barriers/Markers BARRIERMARKER
	<input checked="" type="checkbox"/> [1]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input checked="" type="checkbox"/> [1]	<input type="checkbox"/>
	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/>
	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/>
	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/>

RFSP Required

An RF Safety Plan is a document that shows areas that exceed the applicable MPE limit, lists any required signage and barriers, and describes the safety precautions and operational procedures that must be observed at the Site. The RF Team must provide an RF Safety Plan to Verizon employees and contractors who have keys to doors, ladder locks, etc. Included are any power reductions for compliance.

RFSP Letter Required

An RF Safety Plan letter (Letter) is a message that the RF team prepares based on a template. It includes a simplified description of the RF Safety Plan and serves as another Site mitigation measure that Verizon can use to address RFE in excess of the applicable MPE limit. Verizon must use the Letter in conjunction with other required Site mitigation. The Letter is not a substitute for installing signage, barriers and positive access controls, as required, based on the RFE levels (RFE Category) in the area.

Description of all Compliance Requirements(s):

Main Roof Access Point: Install Guideline sign & NOC Info sign on the main roof access point.

Consultant's Full Name	GCB Services LLC	Phone/Fax	703-988-4246
Email Contact	rf.compliance@gcbsservices.com		
Address	8201 Greensboro Drive, Suite 300, Mclean, VA 22102		

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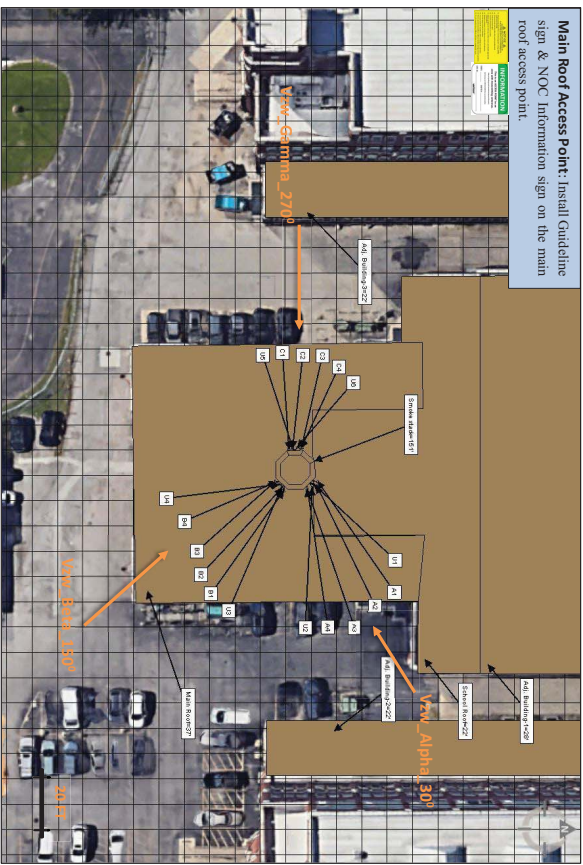
Drawing solutions for your success

Potentially Non-Compliant Collocator Acreas: Verizon Responsibility

The following table represents potentially non-compliant co-locators for which Verizon is a 5% General Population MPE (1% Occupational MPE) contributor (5% ring).

AT&T	T-Mobile	Dish	Other (name)	Unknown	Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

b. Site Mitigation Diagram (Signage/Barriers)



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Drawing solutions for your success

Final Compliant Configuration	NOTICE		CAUTION		WARNING		INFORMATION		Barriers Markers BARRIER/MARKER
	Safety Guidelines	Notice	CAUTION	WARNING	NOC INFO	Barriers Markers BARRIER/MARKER			
Main Roof Access Point	<input checked="" type="checkbox"/> [1]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input checked="" type="checkbox"/> [1]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Alpha	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Beta	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Gamma	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE: The table above represents EVERY RFE Mitigation requirement that MUST be implemented at this location except the RFE Safety Plan letter, if required.

c. Signage/Barrier Installation Detail

Mitigation Actions Required/Taken	NOTICE		CAUTION		WARNING		INFORMATION		BARRIER/MARKER
	GUIDELINES	NOTICE	CAUTION	WARNING	NOC INFO	Barriers Markers BARRIER/MARKER			
Main Roof Access Point	<input checked="" type="checkbox"/> [1]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input checked="" type="checkbox"/> [1]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Alpha	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Beta	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Gamma	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/> [#]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE: The above table describes the signage/barriers that were installed or removed by the consultant/vendor. **II** NOT installed by the consultant/vendor what actions are required.

The table below describes any site mitigation to be installed by the Submarket (if applicable).

SPECIAL MITIGATION INSTRUCTIONS	
Items to be Installed	
Items to be Removed	
Items to be Repaired/Replaced	

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Midwest - Upper Midwest - Illinois/Wisconsin - Northern IL - California & Texas

45 Sibley by Mustang, Rogers Road, Raymond, Michigan 48166
 E: Submit by: BGC_Ant - all_batt@verizonwireless.com - 1.877.624.8483.3.AM

Location Information

Site ID: 3439847
 E-NodeB ID: 204896.504896.2047674.2049676
 MDG Location ID: 5000352995
 PSLG: 279445

Switch Name: Elgin 2
 Tower Owner:
 Tower Type: Other
 Site Type: MACRO
 Site Sub Type: TRADITIONAL
 Street Address: 2951 W. Addison Street
 City: Chicago
 State: IL
 Zip Code: 60618
 County: Cook
 Longitude: -87.69074722 / 41.5640879 N

RFDS Project Scope: Replace 8T Chord Radio and Antenna with 6AT AIR6419 (11.06.2024)

Antenna Summary

Antenna	700	800	1900	AWS	CRS	CRAND	Make	Ant Model	Item Description	Quantity	Item ID
							Ericsson	AIR64 B	2* 8 Port 600MHz-700Mhz 4-Component Antenna	3	1900002209
							JVA	MA08P7750-01	700 MHz/2400 MHz Dual-Lobe 4 Port	3	1900002209
							Ericsson	AIR64 B	2* 8 Port 600MHz-700Mhz 4-Component Antenna	3	1900002209
							Ericsson	AIR64 B	2* 8 Port 600MHz-700Mhz 4-Component Antenna	3	1900002209

Equipment Summary

Equipment Type	Location	700	800	1900	AWS	CRS	CRAND	Make	Ant Model	Item Description	Quantity	Item ID
RFU	Tower							ERICSSON	4408 888 0C	4408 888 0C	3	1900008795
RFU	Tower							ERICSSON	4408 888 0C	4408 888 0C	3	1900008795
RFU	Tower							ERICSSON	4408 888 0C	4408 888 0C	3	1900008795
OPF Box	Site/Cell							COMSCORE	RC300-3315-PF-48	RC300-3315-PF-48	3	1900006485
Hybrid Cable	Tower							COMSCORE	RC300-3315-PF-48	RC300-3315-PF-48	3	1900006485

Service Info

Carrier	Band	Channel	Frequency	Power	Antenna	Quantity	Item ID
Verizon	700	19	700.000000	100W	Ericsson	3	1900002209
Verizon	800	19	800.000000	100W	Ericsson	3	1900002209
Verizon	1900	19	1900.000000	100W	Ericsson	3	1900002209



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HUTTER TRANKINA ENGINEERING
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January 16, 2025
Revised: September 10, 2025

Mr. Ary Utomo
Terra Consulting Group, Ltd.
600 Busse Highway, 2nd Floor
Park Ridge, IL 60068-2568

Re: VZN: California and Roscoe
MDG # 5000352995/ Terra # 1242647
Hutter Trankina # 16022D

Dear Mr. Utomo:

Per your request, we have reviewed the structural impact of the proposed Verizon Wireless equipment (shown below) on the above-referenced site, which is located at 2501 W Addison Street in Chicago, Illinois.

PURPOSE

The purpose of this analysis was to verify the structural adequacy of the existing equipment mounts and chimney to resist new and existing equipment loads as specified by Verizon.

DESCRIPTION

The brick chimney is 158'-3" tall (112'-8" above the roof), 19'-7" wide and 25" thick at the roof section that tapers to 15'-10" wide and 13" thick at the top. The chimney information was based on the chimney inspection by Bednash Consulting, Inc. dated August 22, 2012 which includes the original chimney drawings. Chimney inspection report by ICC Commonwealth dated April 18, 2025 was also used for reference.

ANTENNA CONFIGURATION

The following antenna layout was employed in the analysis:

Equipment List

<u>EL.</u>	<u>Equipment</u>	<u>Quantity</u>	<u>Status</u>
117'	Andrew TMBXX-6517	12 (4 per sector)	Existing
117'	FXFC	3 (1 per sector)	Existing
117'	FRIG	3 (1 per sector)	Existing
117'	FRLP	3 (1 per sector)	Existing
117'	Raycap ASU	2	Existing
117'	2' Dish	1	Existing
117'	Sector Mount	3 (1 per sector)	Existing

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Equipment List

<u>EL.</u>	<u>Equipment</u>	<u>Quantity</u>	<u>Status</u>
102'	6'x1' Antenna	6 (2 per sector)	Existing
96'	Ericsson AIR 6419	3 (1 per sector)	Proposed
94'	Andrew SBNHH-1D65B	6 (2 per sector)	Existing
94'	Ericsson RRU 4449	3 (1 per sector)	Existing
94'	Ericsson RRU 8843	3 (1 per sector)	Existing
94'	Raycap 3315	3 (1 per sector)	Existing
92'	Ericsson KRE 105281	3 91 per sector)	Existing
94'	Sector Mount	3 (1 per sector)	Existing

ANALYSIS PROCEDURE AND RESULTS

The existing structure was subjected to the TIA/EIA-222-H Code standards for a structure class III. The following two (2) loading cases were considered:

- I. Forces due to a wind speed of 114 mph; and
- II. Forces due to a wind speed of 40 mph in conjunction with 1½" ice build-up around all elements. For monopole like structures, ice case does not govern.

The following stress ratios were determined:

Mount:	PASS
Chimney:	PASS

CONCLUSION

Based on the performed calculations, the existing mount and chimney are **structurally acceptable** to resist the wind loads imposed by the existing and the proposed equipment.

Note, the sector mount was assumed to be Valmont model VFA14-U. This shall be verified in the field prior to equipment installation.

Per the referenced chimney inspection report, the cracked/open mortar joints within the uppermost 25'-0" of the chimney at the north elevation, and the open mortar joints within the stone sections below the top of the chimney should be tuck-pointed. Refer, to the chimney inspection report for other further maintenance recommendations.

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Should you have any questions regarding this report, or require further analysis, please do not hesitate to contact our office.

Sincerely,



John C. Matzke
Project Engineer



John L. Trankina
President

