

# Office of the City Clerk

City Hall 121 N. LaSalle St. Room 107 Chicago, IL 60602 www.chicityclerk.com

# Legislation Text

File #: F2011-129, Version: 1

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Companies

#### CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 9,2011

Miguel Del Valle Chicago City Clerk City Hall Office

121 North LaSalle Street, Room 107 Chicago, Illinois 60602

RE: Invitation to Comment Under Section 106: Proposed Antenna Collocations Chicago Distributed Antenna System (DAS) Network - Phase I City of Chicago, Cook County, Illinois BL Project No. 11L2705

Dear Mr. Del Valle:

At the request of AT&T Mobility, LLC (AT&T), BL Companies is preparing a Federal Communications Commission (FCC) National Environmental Policy Act (NEPA) study for the Chicago Distributed Antenna System (DAS) network referenced above. This action is submitted for review pursuant to the Nationwide Programmatic Agreement for the Collocation of Wireless Antennas executed by the FCC effective March 7, 2005, the National Conference of State Historic Preservation Officers (NCSHPO), and the Advisory Council on Historic Preservation (ACHP).

AT&T Mobility, LLC is proposing to install 22 antennas at an average tip height of 34 feet on existing street light poles. The telecommunication collocation nodes are being located on existing street light poles located within an urban setting. The existing poles are located within the city of Chicago, Cook County, Illinois. Ofthe 22 total nodes in the network, seven of the nodes fall within, or within 250 feet of, or are visible from the ground level of a historic district and four of the nodes are adjacent to individually listed or eligible historic resources. The undertaking is limited to the collocation of an antenna, equipment cabinets and associated wiring on existing street light poles. The action does not involve an increase in the height ofthe existing pole. Minimal ground disturbance at the base of the street light poles will occur per City ordinance to accommodate the telecommunications conduit to be completed by the public utility.

4242 Carlisle Pike Suite 260 Camp Hill, Pennsylvania 17011 Tel. (717) 651-9850 Fax (717) 651-9858

Architecture ■ Engineering ■ Planning ■ Landscape Architecture ■ Land Surveying ■ Environmental Sciences BL Companies Pennsylvania, Inc. ■ Mark S. Koellner, PG ■ Michael A. Lozanoff, PE ■ Rainer A. Muhlbauer, AIA ■ Stanley C. Novak, PE ■ John R. Thatcher, PG

Chicago City Clerk BL Project No. 11L2705 May 9, 2011 Page 2 of 2

The attached spreadsheet contains a list of all 22 street light pole node numbers and street locations, as well as their geographic coordinates. The map depicts their locations.

If you have any comments, we would appreciate receiving them within 30 days. If you have any questions, or need any further assistance or information, please do not hesitate to contact me.

### Respectfully, BL Companies

Gretchen E. Yarnall Senior Project Manager

**Enclosure** 

Blue Nodes - Exempt
Green Nodes ~ Within 250-feet of a Historic District

# $\leq i$ >>> (teste= $1^m$ f to $m \ M^m \ m \ m \ '$ ; Red Node - In a Historic District

Copyright (C) 1997, Maptedi, Inc. (1) EXISTING OMNI ANTENNA 57"Hx1.9'O.D.

# EXISTING POLE ELEVATION SCALE: 3/16"= 1-0"

c 05/02/11 ISSUED FOR REVIEW EW RG RC B 03/25/1' ISSUED FOR REVIEW FW RG RG A 03/02/11 ISSUEO FOR REVIEW EW RG RG HO.DATE REVISDNS BY CHK

Apex Engineers, Inc.
Structural 6c Civil Engineers 500 Eost 22nd Street, Suite Lombard, Illinois 60148 Ph. (630) 627-1800 Fax. (630) 627-1165
APEX JOB No. AT11-001/12

STATE ST & CHICAGO AVE SITE NO. NODE 3 M STATE ST 4 E CHICAGO AVE CHICAGO, IL 5061

## at&t

AT&T MOBILITY EXISTING POLE ELEVATION & PICTURE II 117 T SIZE

TCNS# Number Name Approx. Approx. Latitude Intersection Type of Mounting Longitude mmmmmmmmm. min mm mmms mmm **m** 2 m, IL4403 87-37-40.8 STATE AND CHICAGO 73238 41-53-48.4 Street Light Pole with Traffic Signal Arm

87-37-27.4 41-53-59.6 901 NORTH MICHIGAN AVE 73240 Street Light Pole DEARBORN AND KINZIE 87-37-46.9 41-53-21.6 73243 Street Light Pole with Traffic Signal Arm IL4414

811:4415\*87-37,,J33:0)^ 4i"i52!23!6j-!:ti3.' wabash?and;balbo . sf^v^SJaif !73244;\*«i!

> mmm zmmmMmmmmmsm wmmm mmmm

m m IL4426 87-37-53.2 41-54-01.6 CLARK AND OAK 73246 Street Light Pole with Traffic Signal Arm ai.L\*4<t31 87,i38-18~! .7324 4E5A-3915

87i37;47;IW E^Dr^LtAND:HARRISON^^f^S^\*«iat 732S8«g8jj

825371587688 i7«3249ME StreeEQigntjRoieTwilh^ fi?C4453g DaRBORN»ANP!ISIpNR0E^^#"a#t»^ «53250aSS

Nodes within 250-feet of historic districts Node adjacent to individually listed resource Nodes within historic districts ,8tL44041

## <u>m:sm</u>

#### mm

ii 8)22« Bre444-^ 8737.'37,'<H 87/37W6g 87.<3ii'0^ 87j38gff3i 87i38,1'K9l 87j37\*57,'4g 4g53\*41<sup>y</sup>4j 41\*53.36\*21 41153\*27< 4i;53<sup>T</sup>27 9%

4i;53?23^5 87j38T0?9l«l 41 53.48'Oljgil

TK53\* 41^14 0 41 52SS»2a 41 53 04'5«W

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IS^'il^Nodes exempt from Section 106 Review

AT&T Proprietary (Internal Use Only)

Not for use or disclosure outside the AT&T companies except under written agreement

REINSTALL EXISTING STREET LAMP PROPOSED TSI XUP3-15DD-7D70 W/ 4 BATTERIES r (28"Hxl3.5"Wx15.75'D) \

PROPOSED KATHREIN 84010510 ATIGT ANTENNA (24"Hx16"DIA)
1.75" HOLE. 1.25" GALV. NIPPLE -LOCKWASHER. 1 PLASTIC BUSHING 1-BAND AND 1-STAND OFF FOR ELECTRIC DISCONNECT
2" HOLE FOR FIBER -

PROPOSED ADC FLEXWAVE - PRISM QUAD-BAND CABINET (52.4"Hx12.2"Wx11.2"D)

#### fl>f

PROPOSED EATON - CUTLER - HAMMER BR24L70RP DISCONNECT (9.44"Hx4.5"Wx3"D)
PROPOSED OPTICAL DEMARCATION CLOSURE OphiNID OPN-500 BY "AFL TELECOMMUNICATIONS (6.3"Hx7.8"Wx2.0"D)
REINSTALL MONOTUBE MAST ARM W. (2) 3-SECTION 'TRAFFIC SIGNAL HEAD AND (1) STREET NAME SIGN
REINSTALL (1) - 3-SECTION TRAFFIC SIGNAL
REINSTALL (2) - PEDESTRIAN WALK SIGNAL 15"X15"
REPLACE EXISTING W NEW POLE #824 - SHAFT - 3 GA LENGTH - 34"-6" BASE DIA - 11"

PROPOSED KATHREIN B4010510 AT&T ANTENNA (24"Hx16"DIA)
REINSTALL MONOTUBE MAST ARM W/ (2) 3-SECTION " TRAFFIC SIGNAL HEAD AND (1) STREET NAME SIGN
PROPOSED ADG FLEXWAYE PRISM QUAD-BAND CABINET -(52 4"Hx12.2"Wx11.2"D)
PROPOSED EATON CUTLER-HAMMER BR24L70RP DISCONNECT (9.44"Hx4.5"Wx3"D)

PROPOSED OPTICAL DEMARCATION CLOSURE OptiNID OPN-500 BY AFL TELECOMMUNICATIONS (6.3"Hx7.8"Wx2.0"D)

MANUF.	EQUIPMENT	LENGTH (IN)	WIDTH (IN) DEPTH (IN) CUBIC (IN) CUBIC (FT) $^{\text{WEIGHT (LBS)}}$				SINGLE NODE VOL. (CU FT)	SINGLE NODE WEIGHT (LBS)	
ADC	PRISM QUAD BAND	52.4	12.2	11.2	7160	3.4	IBB	3.4	1BB.DD
TSI	XUPs-1500-7070 W/4 BAT	28	13.5	15.75	5953	3.45	19D	3.45	190.00
AFI	OPTICAL DEMARC	6.3	7.8	2	9B	0.06	2	0.06	2. DO
СН	DISCONNECT BOX	9.44	4.5	3	218	0.07	5.5	0.07	5.50
KATHREIN	ANTENNA	24	16		4826	2.793	45		45.00
TOTAL								6.98	430.50



#### SOUTH POLE ELEVATION

REINSTALL (1) - 3-SECTION TRAFFIC SIGNAL REINSTALL (2) - PEDESTRIAN WALK SIGNAL 15"X15" REINSTALL TRAFFIC "CONTROL SOX REPLACE EXISTING W/ NEW POLE #824 - SHAFT - 3 GA LENGTH - 34-6" BASE DIA - 11"

#### WEST POLE ELEVATION

Apex Engineers, Inc.

APEX JOB No. AT11-001/12

STATE ST & CHICAGO AVE SITE NO. NODE 3 N STATE ST & E CHICAGO AVE CHICAGO, IL 6D611

## at&t



ISSUED FOR REVIEW
ISSUED FOR REVIEW
ISSUED FOR REVIEW
EW RG ffG
BY CHK \?P>t
AT&T MOBILITY

NEW POLE ELEVATIONS

(1) EXISTING OMNI ANTENNA 57"Hx1.9"0.D.

(4) EXISTING DIVERSITY PANEL ANTENNA 30.4"Hx6.8"Wx3.5"D (!) EXISTING WODE BOX A 23"Hx18"Wx17"D (!) EXISTING BREAKER/EIBER SPLICE BOX 8"Hx8"Wx8"D (1) EXISTING NODE BOX B 23"Hx18"Wx17"D

(1) EXISTING NODE BOX B 23"Hxl8"Wxl7"D
REPLACE EXISTING AT&T EQUIPMENT AND ANTENNA ON LIGHT POLE WrTH NEW AT&T EQUIPMENT AND ANTENNA
EXISTING
PEDESTRIAN SIGN
EXISTING 24"x18" ARROW SIGN
EXIST LIGHT POLE § SHAFT - 3 GA LENGTH - 34"-S" BASE DIA - 10'

Apex Engineers, Inc.
Structural St. Civil Engineers 500 East 22nd Street, Suite! Lombard, Illinois 60148 Ph. (630) 627-1800 Fax. (830) 627-1165
APEX JOB No, AT11-06T7T

### **EXISTING POLE ELEVATION**

LAKE SHORE DR & CEDAR ST SITE NO. NODE 1

#### File #: F2011-129, Version: 1

N LAKE SHORE DR 4c E CEDAR ST CHICAGO, IL 60611

REINSTALL EXISTING STREET LAMP

PROPOSED TSI XUPs-15D0-707D W/ 4 BATTERIES -(2B"Hx13.5"Wxl5.75"D)

PROPOSED KATHREIN B4D10510 AT&T ANTENNA (24"Hx18"DIA)
USE EXISTING HOLES OR ADD 1.75" HOLE, 1.25" GALV. NIPPLE
2-LOCKWASHER, 1 PLASTIC 8 USH1NG - 1 BAND AND 1-STAND OFF FOR
ELECTRIC DISCONNECT AS REQUIRED
USE EXISTING HOLE OR ADD \_ 2" HOLE FOR FIBER AS REQUIRED

PROPOSED ADC FLEXWAVE PRISM QUAD-BAND CABINET (52.4\*Hx12.2\*Wx11.2\*0)
PROPOSED EATON - CUTLER-HAMMER BR24L7DRP DISCONNECT (9.44\*Hx4.5\*Wx3\*D)
PROPOSED OPTICAL DEMARCATION CLOSURE OptiNID OPN-500 BY "AFL TELECOMMUNICATIONS (6.3\*Hx7.B\*Wx2.0\*D)
EXISTING 11 "XI8" DOG TRASH SIGN
EXIST LIGHT POLE fBDB SHAFT - 3 GA " LENGTH - 34'-6" BASE DIA - 10"
MANUF. EQUIPMENT LENGTH (IN) WIDTH (IN) DEPTH (IN) CUBIC (IN) CUBIC (FT) WEIGHT (IRS)

SINGLE NODE SINGLE NODE (LBS) VOL. (CU FT) WEIGHT (LBS) ADC PRISM QUAD BAND 12.2 11.2 7160 3.4 1BB 3.4 1B8.00 XUPs-1500-7070 W/4 BAT 2B TSI 13.5 15.75 5953 3.45 190 3.45 190.00 AFI OPTICAL DEMARC 6.3 7.8 2 98 0.06 2 0.06 2. DO DISCONNECT BOX 9.44 4.5 218 0.07 СН 5.5 0.07 5.50 KATHREIN ANTENNA 24 IS 4B26 2 793 45 45 00



TOTAL

# EAST POLE ELEVATION SCALE: 3/16"=1'-0"

PROPOSED KATHREIN 84010510 AT&T ANTENNA (24"Hx16"DIA) PROPOSED ADC FLEXWAVE PRISM QUAD-BAND CABINET (52.4"Hx12.2"Wx11.2"D) PROPOSED EATON PROPOSED EATON
CUTLER-HAMMER BR24L70RP
DISCONNECT (9.44"Hx4.5"Wx3"0)
PROPOSED OPTICAL DEMARCATION CLOSURE OptiNID OPN-500 BY AFL TELECOMMUNICATIONS (6.3"Hx7.8"Wx2.0"D)
EXISTING 11MB\* DOG TRASH SIGN
EXIST LIGHT POLE J SHAFT - 3 GA LENGTH - 34-6" BASE DIA - 10"

#### NORTH POLE ELEVATION

Apex Engineers, Inc.

Structural & Civil Engineers 500 East 22nd Street. Suite B Lombard, Illinois 6014B Ph. (630) 627-1800 Fax. (630) 627-1165 APEX JOB No. ATU-OOyi LAKE SHORE DR & CEDAR ST SITE NO. NODE 1

N LAKE SHORE DR & E CEDAR ST CHICAGO, IL 60611

# at&t

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BY CHK IPIG
SCALE; AS SHOWN
I DESIGNED BY.
AT&T MOBILITY NEW POLE ELEVATIONS
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5.98

430.50