Office of Chicago City Clerk

F2011-129

Office of the City Clerk

City Council Document Tracking Sheet

Meeting Date:	6/8/**2011**
Sponsor(s):	Clerk **M**endoza, Susana
Type:	Co**mm**unication
Title:	Proposed Antenna Collocations/Chicago Distributed Antenna **System** (DAS) Network Phase **1**
Committee(s) Assignment:	

BL 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. Of the 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 of the 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

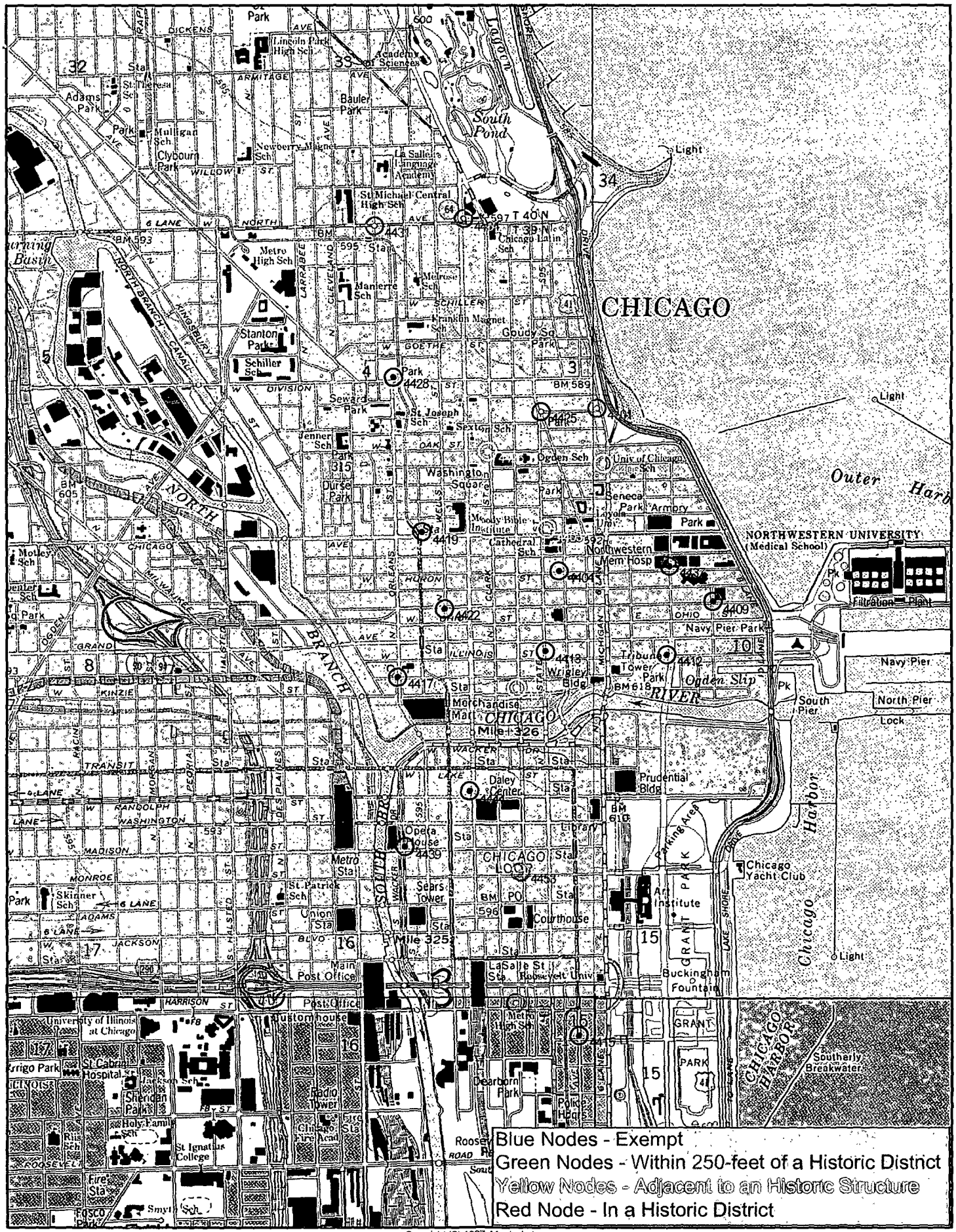
The attached spreadsheet contains a list of all 22 street light pole node numbers and street locations, as well as their geographic coordinates. The map depicts their locations.

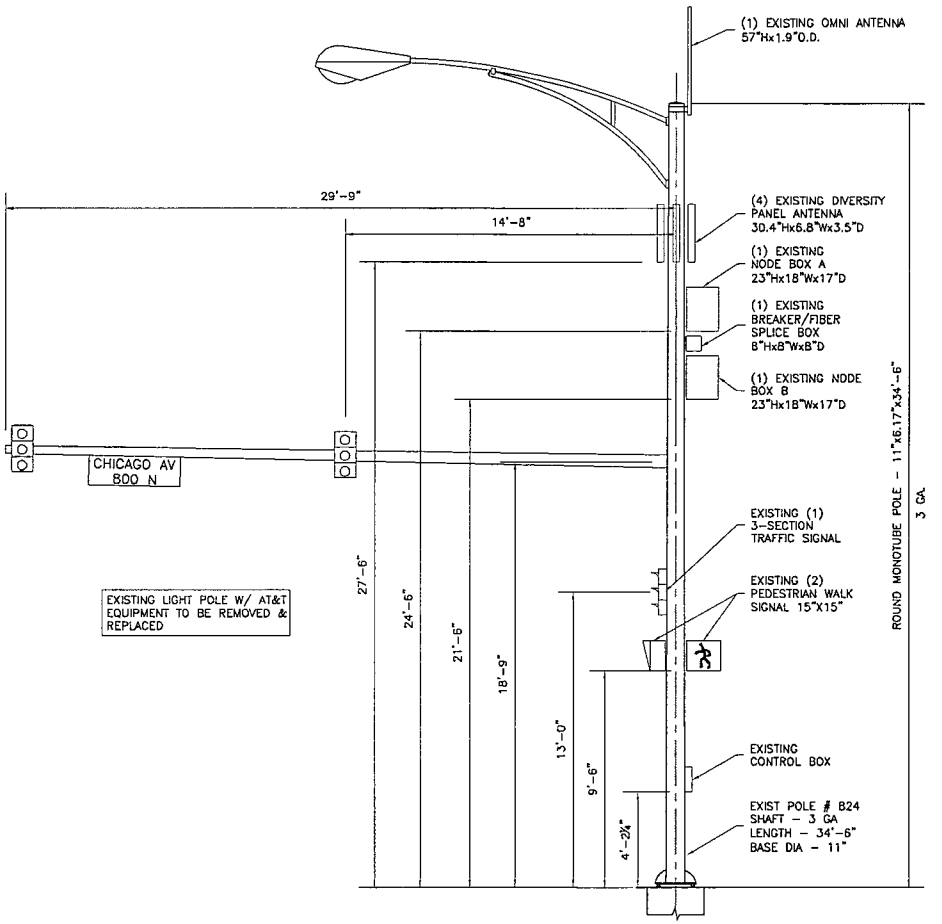
If you have any comments, we would appreciate receiving them within 30 days. If you have any questions, or need any further assistance or information, please do not hesitate to contact me.

Respectfully,
BL Companies

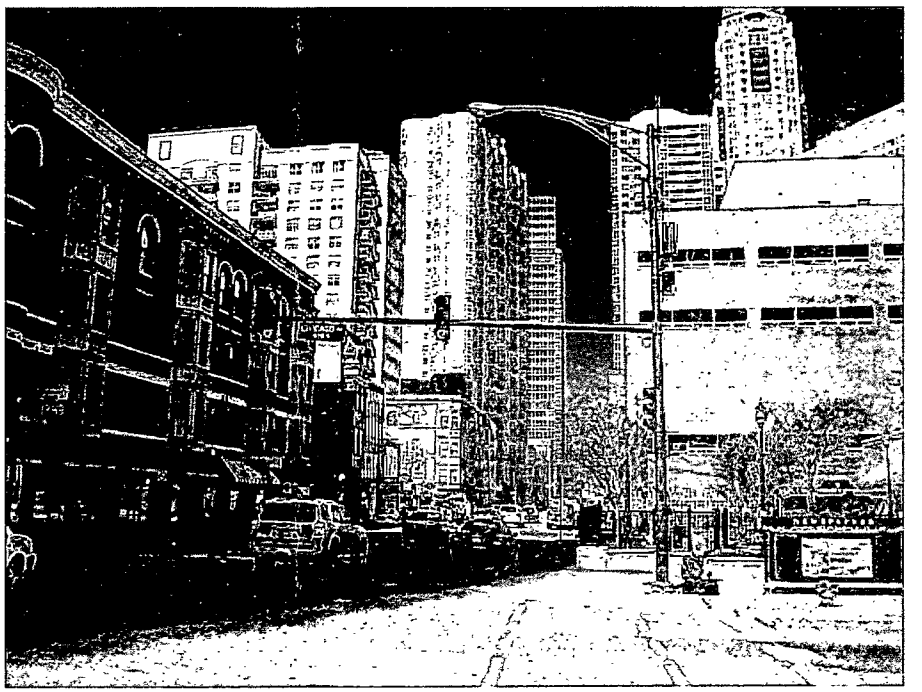
Gretchen E. Yarnall
Senior Project Manager

Enclosure





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



Apex Engineers, Inc.
Structural & Civil Engineers
500 East 22nd Street, Suite B
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

N STATE ST & E CHICAGO AVE
CHICAGO, IL 50611

at&t

NO.	DATE	REVISIONS	BY	CHK	APP'D
C	05/02/11	ISSUED FOR REVIEW	EW	RG	RC
B	03/25/11	ISSUED FOR REVIEW	EW	RG	RG
A	03/02/11	ISSUED FOR REVIEW	EW	RG	RG

SCALE: AS SHOWN | DESIGNED BY: | DRAWN BY:

AT&T MOBILITY

EXISTING POLE ELEVATION & PICTURE

DRAWING NUMBER: NODE 3-03 | REV: C

11 x 17 'B' SIZE

6 5 4 3 2

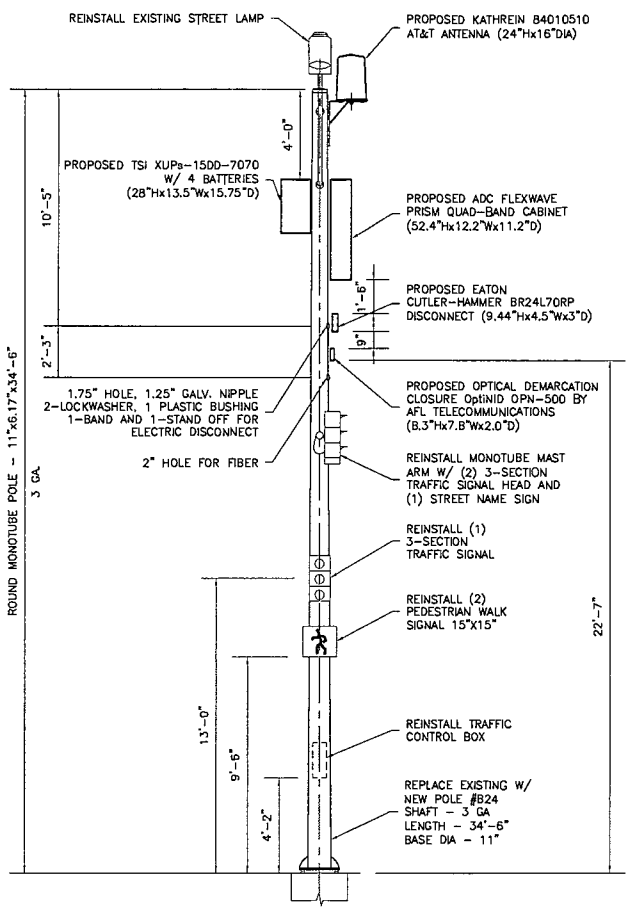
D C B A

Number	Name	Approx. Longitude	Approx. Latitude	Intersection	TCNS #	Type of Mounting
1	IL4401	87-37-20.0	41-54-09.2	N LAKE SHORE AND LAKE SHORE	73237	Street Light Pole
2	IL4403	87-37-40.8	41-53-48.4	STATE AND CHICAGO	73238	Street Light Pole with Traffic Signal Arm
3	IL4405	87-37-27.4	41-53-59.6	901 NORTH MICHIGAN AVE	73240	Street Light Pole
4	IL4414	87-37-46.9	41-53-21.6	DEARBORN AND KINZIE	73243	Street Light Pole with Traffic Signal Arm
5	IL4415	87-37-33.0	41-52-23.6	WABASH AND BALBO	73244	Street Light Pole with Traffic Signal Arm
6	IL4425	87-37-41.0	41-54-08.2	STATE AND RUSH AND CEDAR	73245	Street Light Pole with Traffic Signal Arm
7	IL4425	87-37-53.2	41-54-01.6	CLARK AND OAK	73246	Street Light Pole with Traffic Signal Arm
8	IL4431	87-38-18.5	41-54-39.5	SEDGWICK AND NORTH	73247	Street Light Pole with Traffic Signal Arm
9	IL4432	87-37-47.1	41-52-28.0	FEDERAL AND HARRISON	73248	Street Light Pole
10	IL4434	87-37-58.6	41-54-40.6	LASALLE AND NORTH	73249	Street Light Pole with Traffic Signal Arm
11	IL4453	87-37-46.1	41-52-51.0	DEARBORN AND MONROE	73250	Street Light Pole

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

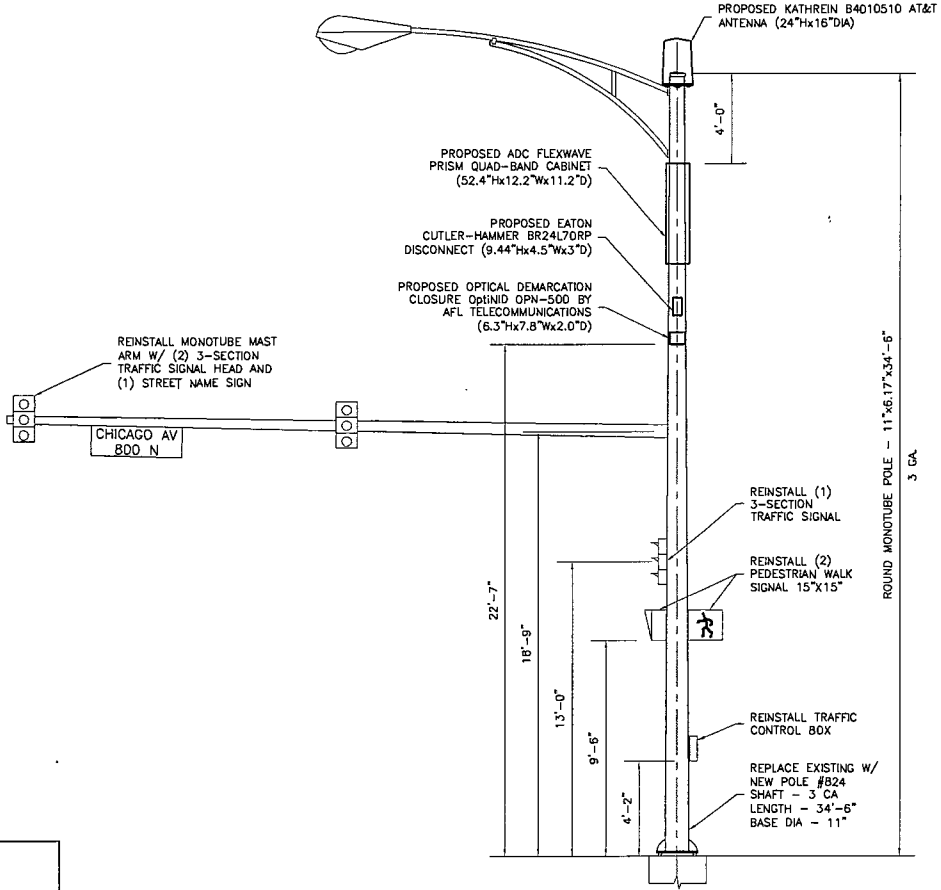
12	IL4404	87-37-37.1	41-53-41.4	RUSH AND HURON	N/A	N/A
13	IL4409	87-37-03.4	41-53-36.2	MCCLURG AND ONTARIO	N/A	N/A
14	IL4412	87-37-43.6	41-53-27.3	COLUMBUS AND ILLINOIS	N/A	N/A
15	IL4413	87-37-40.6	41-53-27.9	STATE AND GRAND	N/A	N/A
16	IL4417	87-38-13.5	41-53-23.5	ORLEANS AND HUBBARD	N/A	N/A
17	IL4419	87-38-07.9	41-53-48.0	FRANKLIN AND CHICAGO	N/A	N/A
18	IL4422	87-38-03.2	41-53-35.1	WELLS AND ONTARIO	N/A	N/A
19	IL4428	87-38-14.3	41-54-14.0	ORLEANS AND DIVISION	N/A	N/A
20	IL4437	87-37-12.9	41-53-42.3	FAIRBANKS AND HURON	N/A	N/A
21	IL4439	87-38-10.9	41-52-55.2	WACKER AND MADISON	N/A	N/A
22	IL4444	87-37-57.4	41-53-04.5	LASALLE AND RANDOLPH	N/A	N/A

Nodes exempt from Section 106 Review



MANUF.	EQUIPMENT	LENGTH (IN)	WIDTH (IN)	DEPTH (IN)	CUBIC (IN)	CUBIC (FT)	WEIGHT (LBS)	SINGLE NODE VOL. (CU FT)	SINGLE NODE WEIGHT (LBS)
ADC	PRISM QUAD BAND	52.4	12.2	11.2	7160	3.4	1BB	3.4	1BB.DD
TSI	XUPs-15DD-7D70 W/4 BAT	28	13.5	15.75	5953	3.45	19D	3.45	190.00
AFL	OPTICAL DEMARC	8.3	7.8	2	9B	0.06	2	0.06	2.DD
CH	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								5.98	430.50

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



2 WEST POLE ELEVATION
SCALE: 3/16"=1'-0"

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N STATE ST & E CHICAGO AVE
CHICAGO, IL 60B11

at&t

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A	03/02/11	ISSUED FOR REVIEW	EW	RG	RG

SCALE AS SHOWN | DESIGNED BY: | DRAWN BY:

AT&T MOBILITY

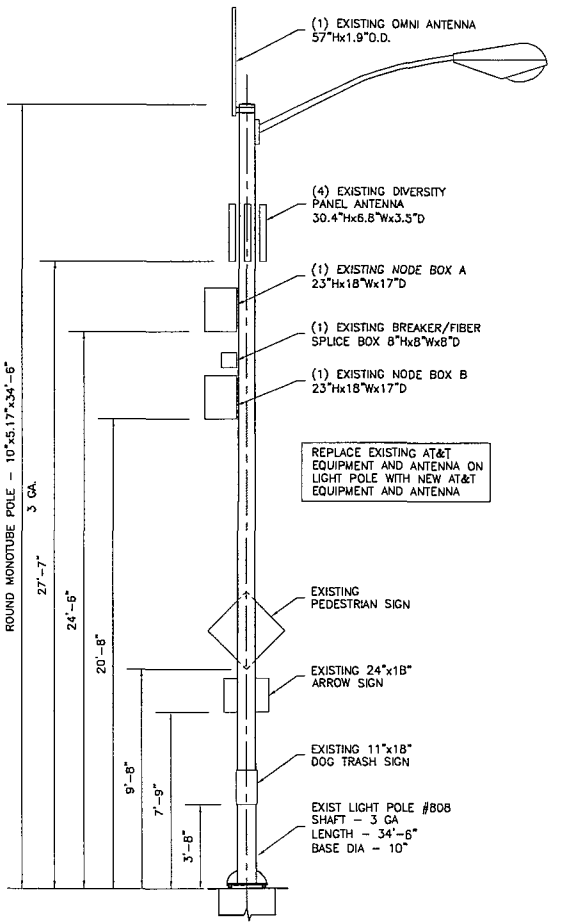
NEW POLE ELEVATIONS

DRAWING NUMBER: NODE 3-04 | REV: C

11 x 17 'B' SIZE

6 5 4 3 2

A B C D



1 EXISTING POLE ELEVATION
SCALE: 3/15"=1'-0"

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APEX JOB No. AT11-001/1

LAKE SHORE DR & CEDAR ST
SITE NO. NODE 1

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

at&t

NO.	DATE	REVISIONS	BY	CHK	APP'D
C	05/02/11	ISSUED FOR REVIEW	RD	RC	RG
B	03/25/11	ISSUED FOR REVIEW	EW	RC	RG
A	03/02/11	ISSUED FOR REVIEW	EW	RG	RG

SCALE: AS SHOWN | DESIGNED BY: | DRAWN BY:

AT&T MOBILITY

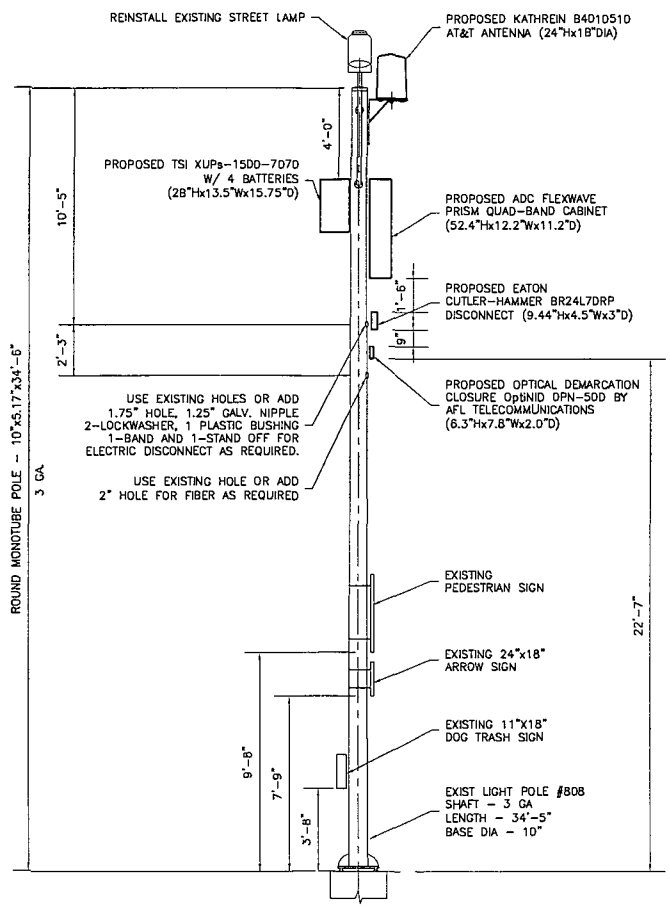
EXISTINC POLE ELEVATION & PICTURE

DRAWING NUMBER: NODE 1-03 | REV: C

11 x 17 "B" SIZE

6 5 4 3 2

A B C D



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CH	DISCONNECT BOX	9.44	4.5	3	218	0.07	5.5	0.07	5.50
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TOTAL								5.98	430.50

1 EAST POLE ELEVATION
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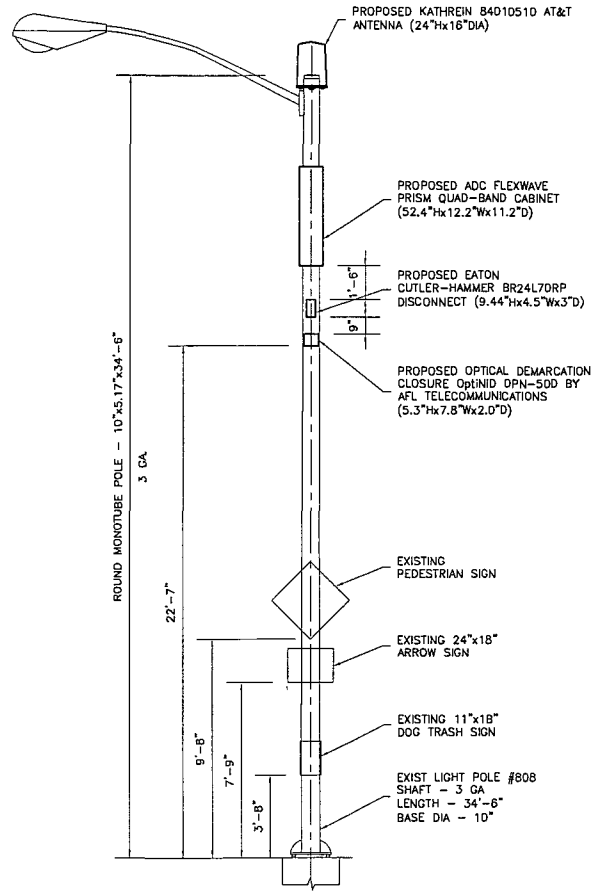

2 NORTH POLE ELEVATION
SCALE: 3/18"=1'-0"

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NEW POLE ELEVATIONS

DRAWING NUMBER: NODE 1-04 | REV: C

11 x 17 "B" SIZE

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