

RECEIVED-FPSC

09 MAR -5 PM 4:35

ATTACHMENT B

AT&T Florida's Pole Inspection Report January 2008 through December 2008

AT&T Florida

COMMISSION  
CLERK

Page 1 of 1

03/02/09

060077-TL  
070634-EI  
070635-TL

**REQUEST FOR SPECIFIED CONFIDENTIAL CLASSIFICATION OF  
AT&T FLORIDA'S POLE INSPECTION REPORT  
JANUARY 2008 THROUGH DECEMBER 2008**

**TWO REDACTED COPIES FOR PUBLIC DISCLOSURE**

COM \_\_\_\_\_  
ECR \_\_\_\_\_  
GCL \_\_\_\_\_  
OPC \_\_\_\_\_  
RCP   J    
SSC \_\_\_\_\_  
SGA \_\_\_\_\_  
ADM \_\_\_\_\_  
CLK \_\_\_\_\_

DOCUMENT NUMBER-DATE

01823 MAR-5 8

FPSC-COMMISSION CLERK

**REDACTED**

Annual Pole Inspection Report of BellSouth Telecommunications, Inc d/b/a  
AT&T Florida  
January 2008 – December 2008

BellSouth Telecommunications, Inc. d/b/a AT&T Florida (“AT&T Florida”), pursuant to Order NO. PSC-06-0168-PAA-TL, Docket NO. 060077-TL (March 1, 2006) (“Pole Inspection Order”) and Order NO. PSC-07-0918-PAA-PU, Docket NO. 070634-EI and Docket NO. 070635-TL (November 14, 2007) (“Revision to the Pole Inspection Order”), submits the following information regarding its pole inspection process for the reporting period of January, 2008 – December, 2008. The Annual Wood Pole Inspection Report spreadsheet required by the Revision to the Pole Inspection Order is included as Attachment 1 to this report.

This report also reflects the Revisions to the Annual Reporting Requirements pursuant to Order NO. PSC-07-0918-PAA-PU, Docket NO. 070635-TL, Docket NO. 070634-EI, Issued November 14, 2007

- 1) A review of the methods the company used to determine NESC compliance for strength and structural integrity of the wood poles included in the previous year’s annual inspections, taking into account pole loadings where required.**

AT&T Florida partnered with Florida Power & Light, Florida Keys Electric Cooperative, Gulf Power Company and Homestead Electric to perform inspections in 2008. In connection with this process, AT&T Florida contracted with OSMOSE to inspect AT&T Florida’s wood poles. OSMOSE forwarded inspection data to AT&T Florida at regular intervals and AT&T Florida performed quality control checks to validate the inspection data.

Using National Electric Safety Code (“NESC”) Grade C Construction Standards as the guideline to determine NESC compliance for strength and structural integrity, and taking into account pole loadings where required, AT&T Florida used the following inspection process for its wood poles:

➤ **Visual Inspection**

If OSMOSE found an obvious defect that justified pole replacement, no additional inspection was performed. OSMOSE designated the pole as “Non-restorable” and identified it to AT&T Florida Engineering and Construction as a pole to be replaced.

When replacing a pole, AT&T Florida notifies the power company and third party attachers that they need to transfer their facilities to the new pole. Once all facilities are removed or transferred, AT&T Florida removes the old pole.

➤ **Sound and Bore**

If an initial visual inspection is made of the pole and no apparent defect is recognized, a sound and bore of the pole is completed to determine the soundness of the interior and exterior of the pole

DOCUMENT NUMBER-DATE

01823 MAR-5 8

FPSC-COMMISSION CLERK

## ➤ **Ground Line Excavation**

Ground line excavation is performed on each pole, other than those poles where the base may be surrounded by concrete and/or asphalt, or other factors that would make excavation hazardous. These factors would include the presence of buried power facilities, as an example.

## ➤ **Load Calculation**

Using a software application (OCALC) developed by OSMOSE and used throughout the industry to analyze pole loading data, OSMOSE performed a load calculation on each pole inspected. The load calculation is based on NESC Grade C Construction standards. It identifies potential loading defects based on remaining pole strength and the profile of all attachments, whether owned by AT&T Florida, a power company or a third party.

OSMOSE also considered other factors to determine the strength and structural integrity of the poles, including:

- Year Pole Manufactured
- Height and Class of Pole
- Species or Material of Pole
- Original Ground line Circumference
- Current Effective Ground line Circumference
- Category of Decay Type, if Present
- Measurements of Decay Width and Depth

## **2) An explanation of the inspected poles selection criteria, including, among other things, geographic location and the rationale for including each such selection criterion**

AT&T Florida met with multiple power companies to determine which areas would be inspected. The key factors used to define the geographical areas for inspection were coastal exposure, population density, and critical infrastructure customers, such as hospitals, 911 centers, etc.

In 2008, AT&T Florida performed pole inspections in South Florida, Central Florida, Northeast Florida and the Florida Panhandle.

## **3) Summary data and results of the company's previous year's wood pole inspections, addressing the strength, structural integrity, and loading requirements of the NESC.;**

See AT&T Florida's completed Attachment B hereto which includes the reporting categories outlined in Attachment B to the Pole Inspection Order, together with the new reporting categories required by the Revision to the Pole Inspection Order.

**REDACTED**

- 4) The cause(s) of each pole failure for poles failing inspection, to the extent that such cause(s) can be discerned in the inspection. Also, the specific actions the company has taken or will take to correct each pole failure.**

The requirement for annual reporting of this item was eliminated by the Revision to the Pole Inspection Order.

## ATTACHMENT 1

	A	B	C	D	E	F	G	H	I	J	K	L	M
	a	b	c	d	e	f	g	h	i	j	k	l	m
1	Total # of Wooden Poles in the Company Inventory	# of Pole Inspections Planned this Annual Inspection	# of Poles Inspected this Annual Inspection	# of Poles Failing Inspection this Annual Inspection	Pole Failure Rate (%) this Annual Inspection	# of Poles designated for Replacement this Annual Inspection	Total # of Poles Replaced this Annual Inspection	# of Poles Requiring Minor Follow up this Annual Inspection	# of Poles Overloaded this Annual Inspection	Method(s) V=Visual E=Excavation P=Prod S=Sound B=Bore R=Resistograph	# of Poles Inspections Planned for Next Annual Inspection Cycle	Total # of Poles Inspected (Cumulative) in the 8_year Cycle To Date	% of Poles Inspected (Cumulative) in the 8-Year Cycle To Date
2	460,811	57,724	70,394							V,E,P,S,B	57,601	156,542	33.97%

If b-c >0, provide explanation      No explanation required

If d-g >0, provide explanation      Poles identified for replacement are engineered, constructed, submitted for transfers by third parties and then for removal of old pole.  
The difference between d and g represent those poles in the 'pipeline' of poles identified during the 2008 Annual Inspection

**ATTACHMENT B**

**Pole Inspection Report**

**Company: AT&T Florida**

Summary of Pole Inspections

Period: January 2008– December 2008

**Type of Inspection:**

See response (1) in AT&T Florida’s Annual Pole Inspection Report

**Type of Pole: Class \_\_\_ Material \_\_\_ Vintage \_\_\_ Installed Population \_\_\_**

See Attachment B-1 to this Attachment B.

**Total Number of Wooden Poles in the Company Inventory**

460,811

**Number of Inspections Planned this Annual Inspection**

57,724

The most efficient and effective pole inspection process is to perform inspections within a defined geography in conjunction with a power company performing wood pole inspections, as well. Within any defined geography, be it power company substation boundaries or AT&T Florida wire center boundaries, the mix of ownership of poles will vary. The “Planned” number of AT&T Florida inspections represents a twelve month average forecast of inspections, based on AT&T Florida’s total pole population within the state of Florida and the requirement that all poles be inspected over an 8 year cycle.

**Number of Pole Inspections Completed this Annual Inspection**

70,394

# REDACTED

The difference between the "Planned" and "Completed" figures does not represent a backlog of inspections or an acceleration of inspections. It is more indicative of the areas selected for inspection during this period and the ownership ratios between AT&T Florida and power companies within the selected geographies. Future inspection periods may therefore result in more completions than the average forecast of planned inspections or in some cases less. AT&T Florida is committed to completing an inspection of all its poles over an 8 year period.

1  
2  
3  
4  
5  
6  
7

## Number of Inspected Poles Addressing a Prior Backlog - 0

None

See explanation above for Number of Inspections Planned and Completed

8  
9  
10

## Number of Poles Failing Inspection

Of the 70,394 poles inspected, AT&T Florida identified [REDACTED] that warrant replacement as a result of the 2008 pole inspections.

The company identified an additional [REDACTED] poles that did not fail inspection, but that, based on an analysis of factors such as the existence and extent of any defects, the feasibility of remediation, and the scope of the associated transfer work, AT&T Florida intends to replace in the next 18 months.

11  
12  
13  
14  
15  
16  
17

## Pole Failure Rate (%) this Annual Inspection

[REDACTED]

This rate is based on the fact that 70,394 poles were inspected and [REDACTED] were found as warranting replacement.

18  
19  
20  
21

## Number of Poles Designated for Replacement this Annual Inspection

As previously indicated, [REDACTED] poles have been designated for replacement as a result of the 2008 pole inspections. AT&T Florida has also decided to replace an additional [REDACTED] poles within an 18-month time frame even though such poles did not fail inspection.

22  
23  
24  
25

## Total Number of Poles Replaced this Annual Inspection and the Plan for Replacement of the Remaining Poles

In connection with the [REDACTED] poles designated for replacement as a result of the 2008 pole inspections, AT&T Florida has placed [REDACTED] new poles to date, and plans to place the remaining poles within 9 months from receipt of Osrose's final inspection results. If

26  
27  
28  
29  
30

Osmose discovers a pole that presents an imminent safety threat, Osmose notifies AT&T Florida and AT&T Florida replaces such poles on an expedited basis. 1  
2

In connection with the [REDACTED] poles AT&T Florida has chosen to replace within 18 months, AT&T Florida has placed [REDACTED] new poles to date, and plans to place the remaining poles within 18 months from receipt of Osmose's final inspection results. 3  
4  
5

**Number of Poles Requiring Minor Follow-Up** 6

[REDACTED] 7

"Minor follow-up" is defined by a need to make a subsequent visit to a pole for some type of remediation work. Remediation work would include activities such as straightening a pole that may be leaning or installing a "truss" to brace a pole to correct a minor defect. 8  
9  
10

**Number of Poles Requiring a Change in Inspection Cycle** 11

[REDACTED] 12

Due to AT&T Florida's aggressive pole replacement criteria and remediation of poles identified as needing minor follow-up, [REDACTED] AT&T Florida owned poles were identified or are anticipated to require a change in inspection cycle. 13  
14  
15

**Number of Poles that Required No Change in Inspection Cycle or Remediation** 16

[REDACTED] - Total number of poles inspected less (the number of poles AT&T Florida plans to replace + the number of poles that require minor follow-up) 17  
18

**Number of Poles that Were Overloaded** 19

[REDACTED] 20

See Response (1) in AT&T Florida's Annual Inspection Report for a more detailed description of the loading calculation process. 21  
22

**Number of Poles With an Estimated Remaining Pole Life of Less Than 8 Years** 23

[REDACTED] 24



Due to AT&T Florida's aggressive pole replacement criteria and remediation of poles identified as needing minor follow-up, [REDACTED] AT&T owned poles in the inspection area will have a remaining pole life of less than 8 years. 1  
2  
3

**Method(s) V=Visual, E=Excavation, P=Prod, S= Sound, B= Bore, R= Restiograph** 4

AT&T Florida uses the Visual, Excavation, Prod, Sound and Bore inspection techniques. 5

**Number of Pole Inspections Planned for Next Annual Inspection** 6

57,601 7

The most efficient and effective pole inspection process is to perform inspections within a defined geography in conjunction with a power company performing wood pole inspections, as well. Within any defined geography, be it power company substation boundaries or AT&T Florida wire center boundaries, the mix of ownership of poles will vary. The "Planned" number of AT&T Florida inspections represents a twelve month average forecast of inspections, based on AT&T Florida's total pole population within the state of Florida and the requirement that all poles be inspected over an 8 year cycle. 8  
9  
10  
11  
12  
13  
14

**Total Number of Poles Inspected (Cumulative) in the 8 Year Cycle to Date** 15

156,542 16

**Percentage of Poles Inspected (Cumulative) in the 8 Year Cycle to Date** 17

33.97% 18

**Status of Pole Replacement from 2007 Pole Inspection** 19

In its 2007 pole inspection report, AT&T Florida indicated that [REDACTED] poles warranted replacement as a result of the 2007 pole inspections. Of these [REDACTED] poles warranting replacement, AT&T Florida has placed [REDACTED] new poles, and has removed [REDACTED] of the old poles. AT&T Florida will continue to remove the remaining old poles upon completion of outstanding transfer work by the attaching entities. 20  
21  
22  
23  
24

In its 2007 pole inspection report, AT&T Florida designated an additional [REDACTED] poles for replacement within 18 months. Of the remaining [REDACTED] poles designated for replacement within 18 months, [REDACTED] new poles have been placed and [REDACTED] of the old poles have been removed to date. **Attachment B-1** 25  
26  
27  
28

**Type of Pole: Class \_\_ Material \_\_ Vintage \_\_ Installed Population \_\_** 29

The following table represents the Installed Population of AT&T Florida owned poles, by Class and Vintage. 30  
31

- AT&T Florida does not keep records as to the type, or material of poles owned by AT&T Florida. AT&T Florida is not aware of any pole within the Installed Population that is anything other than Southern Pine. No result of any inspection during this period identified any pole material other than Southern Pine.
- This data is derived from an extract from AT&T Florida Property Records.

VINTAGE	CLASS									
	A 0	B 1	C 2	D 3	E 4	F 5	G 6	H 7	I 9	J Grand Total
1901										
1908										
1909										
1910										
1913										
1914										
1916										
1917										
1918										
1919										
1920										
1921										
1922										
1923										
1924										
1925										
1926										
1927										
1928										
1929										
1930										
1931										
1932										
1933										
1934										
1935										
1936										
1937										
1938										
1939										
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										

1901-1908  
 1909-1910  
 1913-1914  
 1916-1917  
 1918-1919  
 1920-1921  
 1922-1923  
 1924-1925  
 1926-1927  
 1928-1929  
 1930-1931  
 1932-1933  
 1934-1935  
 1936-1937  
 1938-1939  
 1940-1941  
 1942-1943  
 1944-1945  
 1946-1947  
 1948-1949  
 1950-1951  
 1952-1953  
 1954

REDACTED

A B C D E F G H I J

1955  
 1956  
 1957  
 1958  
 1959  
 1960  
 1961  
 1962  
 1963  
 1964  
 1965  
 1966  
 1967  
 1968  
 1969  
 1970  
 1971  
 1972  
 1973  
 1974  
 1975  
 1976  
 1977  
 1978  
 1979  
 1980  
 1981  
 1982  
 1983  
 1984  
 1985  
 1986  
 1987  
 1988  
 1989  
 1990  
 1991  
 1992  
 1993  
 1994  
 1995  
 1996  
 1997  
 1998  
 1999  
 19XX  
 2000  
 2001  
 2002  
 2003  
 2004  
 2005  
 2006  
 2007  
 2008  
 2009  
 Grand Total

1955  
 1956  
 1957  
 1958  
 1959  
 1960  
 1961  
 1962  
 1963  
 1964  
 1965  
 1966  
 1967  
 1968  
 1969  
 1970  
 1971  
 1972  
 1973  
 1974  
 1975  
 1976  
 1977  
 1978  
 1979  
 1980  
 1981  
 1982  
 1983  
 1984  
 1985  
 1986  
 1987  
 1988  
 1989  
 1990  
 1991  
 1992  
 1993  
 1994  
 1995  
 1996  
 1997  
 1998  
 1999  
 19XX  
 2000  
 2001  
 2002  
 2003  
 2004  
 2005  
 2006  
 2007  
 2008  
 2009  
 Grand Total



REDACTED

A B C D E F G H I J

1947  
1948  
1949  
1950  
1951  
1952  
1953  
1954  
1955  
1956  
1957  
1958  
1959  
1960  
1961  
1962  
1963  
1964  
1965  
1966  
1967  
1968  
1969  
1970  
1971  
1972  
1973  
1974  
1975  
1976  
1977  
1978  
1979  
1980  
1981  
1982  
1983  
1984  
1985  
1986  
1987  
1988  
1989  
1990  
1991  
1992  
1993  
1994  
1995  
1996  
1997  
1998  
1999  
19XX  
2000  
2001

1947  
1948  
1949  
1950  
1951  
1952  
1953  
1954  
1955  
1956  
1957  
1958  
1959  
1960  
1961  
1962  
1963  
1964  
1965  
1966  
1967  
1968  
1969  
1970  
1971  
1972  
1973  
1974  
1975  
1976  
1977  
1978  
1979  
1980  
1981  
1982  
1983  
1984  
1985  
1986  
1987  
1988  
1989  
1990  
1991  
1992  
1993  
1994  
1995  
1996  
1997  
1998  
1999  
19XX  
2000  
2001

2002  
2003  
2004  
2005  
2006  
2007  
2008  
2009  
Grand Total

A B C D E F G

**REDACTED**  
H I J

0015116181