## Department of Planning \& Public Works City of Chesterfield Public Hearing Summary Report

T.S.P. 27-2010 AT\&T (13559 Olive Boulevard): A request to obtain approval for a Telecommunications Facility Siting Permit for location of antennas and equipment on two sections of land within 13559 Olive Boulevard zoned "PC" Planned Commercial District. (16Q241471).

## Summary

The above-referenced project is a request for a Telecommunications Siting Permit (T.S.P). If the request is approved, the Permit will allow the replacement of an existing tower and antennas and the placement of three (3) additional antennas from AT\&T. Additional equipment to support the new antennas is proposed within the existing equipment compound located at the rear of the property.

City of Chesterfield Ordinance 2391, which now governs telecommunications and facilities siting, requires a public hearing before the City of Chesterfield Planning Commission for alterations that present a material change. Please note, the Commission does not provide a recommendation
 to the City Council, but rather a list of issues generated during the hearing. City Council is the decision-making body for all requests for Telecommunications Siting Permits. A public hearing further addressing the request will be held at the January 23, 2012 City of Chesterfield Planning Commission meeting. Attached please find a copy of the Public Hearing Notice and an application packet detailing the Petitioner's request.

Respectfully submitted,


Kristian Corbin
Project Planner

Cc: Michael G. Herring, City Administrator<br>Rob Heggie, City Attorney<br>Michael O. Geisel, Director of Planning, Public Works, \& Parks<br>Aimee Nassif, Planning and Development Services Director

## NOTICE OF PUBLIC HEARING CITY OF CHESTERFIELD PLANNING COMMISSION

NOTICE IS HEREBY GIVEN that the Planning Commission of the City of Chesterfield will hold a Public Hearing on Monday, January 23, 2012 at 7:00 pm, in the Council Chambers at the City Hall, 690 Chesterfield Parkway West, Chesterfield, Missouri 63017.
T.S.P. 27-2010 AT\&T (13559 Olive Boulevard): A request to obtain approval for a Telecommunications Facility Siting Permit for location of antennas and equipment on two sections of land within 13559 Olive Boulevard respectively zoned "PC" Planned Commercial District. (16Q241471)

## Description of Property

A tract of land being part of Lot 1 of Share 1 of Partition of Missouri Stevens Estate as recorded in Plat Book 7755, Page 1660 in US Survey 207, Township 46 North, Range 5 East, St. Louis County, Missouri.

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Information on this Public Hearing may be found on the City's website at http://www.chesterfield.mo.us/public-notice.html or by contacting Project Planner Kristian Corbin at 636.537.4743 or via e-mail at kcorbin@chesterfield.mo.us. All interested parties will be given an opportunity to be heard at the Public Hearing.

## ATET Wireless

June 28, 2011

The following is a brief explanation of why AT\&T Mobility is proposing to change antennas at our current location at 13559 Olive Blvd in Chesterfield. Currently this facility only is capable of broadcasting our "2G" technology called GSM. This is our older technology that has been around since 2003. To broadcast our newer " 3 G" technology, called UMTS, and our soon to be launched "4G" technology, called LTE, we need to added more and new antennas. The 3G technology provides better voice quality and faster data rates than our current 2G technology. The 3G technology provides the basis for our fastest wireless internet advertising campaign. 3G is the technology that most new customers use. The modification will also allow AT\&T to add our "4G" technology. Perhaps you have seen all the television commercials from various wireless carriers talking about their 4 G systems. 4 G , short for $4^{\text {th }}$ generation of wireless technology, allows wireless carriers to provide much faster data speeds than our current networks. 4 G is only for data at this point. Without changing antennas this location will not be capable of transmitting the 3G or 4G technologies.

Because of high usage in the immediate area, customers are experiencing slow data speeds. As the demand for wireless data increases, the speeds customers experience will keep getting slower without the proposed modifications.

As seen in the map 1 below AT\&T Mobility has outdoor and in vehicle 3G cellular coverage in most of the surrounding area. The green indicates solid coverage where phones should be able to perform at acceptable levels in most buildings. The blue indicates that a AT\&T mobile device should perform at acceptable levels in vehicles and some buildings. The yellow indicates Mobile devices should work for in vehicle coverage but will be unacceptable to most customers for in building coverage. Map 2 shows the 3G covearage with the proposed site added.

If this application is approved this location will transmit GSM which uses TDMA modulation with a EIRP of 56.2 dBm . It will also transmit UMTS which uses a CDMA modulation with an EIRP of 50.5 dBm . Both technologies will use all of our FCC granted licenses. The transmit frequencies of these licenses are 880-890, 891.5-894, 1935-1950 and 1965-1970 Mhz. The receive frequencies of these licenses are 835-845, 846.5-849, 1855-1870 and 1885-1890 Mhz. The LTE will transmit at a EIRP of 57 dBm using a CDMA modulation. It will transmit on $734-746 \mathrm{Mhz}$ and will receive on 704-716 Mhz.

Ron Humphrey
Radio Frequency Design Engineer
AT\&T Mobility Division


Map 1


## Map2





PROJECT DESCRIPTION



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| RF Enginers: | Ron humprrer |
| Constructow mavager: | KEN SHAW (314) 210-8629 |
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CONTACT INFORMATION

| Enginerr: | 15450 S OUTER FORTY DR, SUITE 200 CHESTERFELD, MO 63017 |
| :---: | :---: |
| contacr: | george p. xenos |
| PHONE: | (913) 687-9233 |



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LTE-LIGHT POLE

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7. WEATERPROOF ALL ANTENNA CONNECTORS WTH SELF AMLCOMATNG TAEE.

NOTE
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COAX ROUTING DETAIL



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