

**AGENDA ITEM 31**

Consider approving a reimbursement resolution from future C.O.'s or bond issuance for funds spent on enhancing radio system (800mz), including, but not limited to simulcast phase.

Judge Doerfler advised if the court should approve this system, Motorola has agreed for contract to begin in year 2001 with first payment due in October of that year.

Communications Director Geneva Simpson discussed the simulcast system covering the entire county which the existing system does not.

Cedar Park Financial Manager and Police Chief both expressed an interest in joining the county for improvement of their present system.

Commissioner Heiligenstein expressed opposition to this item which was not addressed earlier when up-grade of current system occurred. And the less than 95% percent radio coverage is in a small not heavily populated geographical portion of Williamson County with a small probability of incidents. "We still have 80% coverage on hand helds and 100% coverage on mobile telephones". Also the commissioner is concerned about Williamson County spending over \$5M without a consultant. He expressed his appreciation for work already done. The commissioner has confidence in and is aware of the professionalism of Geneva Simpson which makes it difficult for him not to support this system.

**Moved: Commissioner Boatright**

**Seconded: Judge Doerfler**

**Motion:** To approve a resolution of intent for reimbursement from future C.O.'s or bond issuance for funds spent on enhancing radio system (800mz), including, but not limited to simulcast phase.

**Vote:** Motion carried 3- 1 with Commissioner Heiligenstein voting against the motion

<Clerk copy here >

**RESOLUTION EXPRESSING OFFICIAL INTENT TO REIMBURSE  
COSTS OF ENHANCEMENTS AND ADDITIONS TO THE  
COUNTY EMERGENCY SERVICES RADIO SYSTEM**

**WHEREAS**, Williamson County, Texas (the "Issuer") expects to pay expenditures in connection with the project described on Exhibit A attached hereto (the "Project") prior to the issuance of obligations to finance the Project;

**WHEREAS**, the Issuer finds, considers and declares that the reimbursement of the Issuer for the payment of such expenditures will be appropriate and consistent with the lawful objectives of the Issuer and, as such, chooses to declare its intention, in accordance with the provisions of Section 1.150-2 of the Treasury Regulations, to reimburse itself for such payments at such time as it issues obligations to finance the Project;

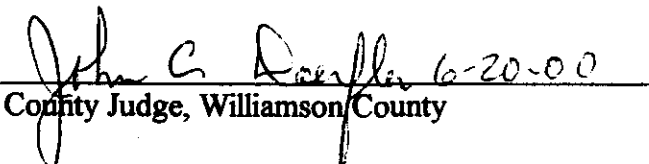
**THEREFORE, BE IT RESOLVED BY THE COMMISSIONERS COURT OF WILLIAMSON COUNTY, TEXAS THAT:**

Section 1. The Issuer reasonably expects to incur debt, as one or more separate series of various types of obligations, with an aggregate maximum principal amount not to exceed \$15,000,000 for the purpose of paying the costs of the Project.

Section 2. All costs to be reimbursed pursuant hereto will be capital expenditures. No tax-exempt obligations will be issued by the Issuer in furtherance of this Resolution after a date which is later than 18 months after the later of (1) the date the expenditures are paid or (2) the date on which the property, with respect to which such expenditures were made, is placed in service.

Section 3. The foregoing notwithstanding, no tax-exempt obligation will be issued pursuant to this Resolution more than three years after the date any expenditure which is to be reimbursed is paid.

**PASSED AND APPROVED THIS \_\_\_\_\_.**

  
County Judge, Williamson County

**EXHIBIT A**

Costs related to purchasing enhancements and additions to the radio system used by County emergency services.

## CERTIFICATE FOR RESOLUTION

**THE STATE OF TEXAS                                 §**  
**COUNTY OF WILLIAMSON                         §**

We, the undersigned Elected Officials of Williamson County, Texas (the "County"), hereby certify as follows:

1. The Commissioners Court of the County convened in a REGULARLY SCHEDULED MEETING ON THE 20TH DAY OF JUNE, 2000, at the County Courthouse (the "Meeting"), and the roll was called of the duly constituted Commissioners Court of the County, to-wit:

**John Doerfler - County Judge**  
**Mike Heiligenstein - County Commissioner, Precinct 1**  
**Greg Boatright - County Commissioner, Precinct 2**  
**David Hays - County Commissioner, Precinct 3**  
**Frankie Limmer - County Commissioner, Precinct 4**

and all of the persons were present, except the following absentees: David Hays, thus constituting a quorum. Whereupon, among other business, the following was transacted at the Meeting: a written

**RESOLUTION EXPRESSING OFFICIAL INTENT TO REIMBURSE  
COSTS OF ENHANCEMENTS AND ADDITIONS TO THE  
COUNTY EMERGENCY SERVICES RADIO SYSTEM**

was duly introduced for the consideration of the Commissioners Court. It was then duly moved and seconded that the Resolution be passed; and, after due discussion, said motion carrying with it the passage of the Resolution, prevailed and carried by the following vote:

**AYES:** 3

NOES: 1

2. A true, full and correct copy of the Resolution passed at the Meeting described in the above and foregoing paragraph is attached to and follows this Certificate; that the Resolution has been duly recorded in the Commissioners Court's minutes of the Meeting; that the above and foregoing paragraph is a true, full and correct excerpt from the Commissioner Court's minutes of the Meeting pertaining to the passage of the Resolution; that the persons named in the above and foregoing paragraph are the duly chosen, qualified and acting city officials of the Commissioners Court as indicated therein; that each of the elected officials and members of the Commissioners Court was duly and sufficiently notified officially and personally, in advance, of the time, place and purpose of the Meeting, and that the Resolution would be introduced and considered for passage at the

Meeting, and each of the elected officials and members consented, in advance, to the holding of the Meeting for such purpose, and that the Meeting was open to the public and public notice of the time, place and purpose of the meeting was given, all as required by Chapter 551, Government Code, as amended.

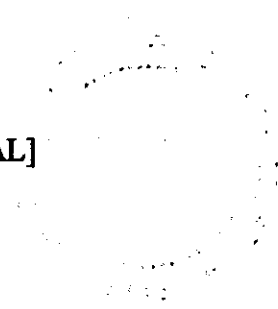
3. The County Judge of the County has approved and hereby approves the Resolution; that the County Judge and the County Clerk of the County have duly signed the Resolution; and that the County Judge and the County Clerk of the County hereby declare that their signing of this Certificate shall constitute the signing of the attached and following copy of the Resolution for all purposes.

SIGNED AND SEALED the \_\_\_\_\_.

Nancy E. Rister  
County Clerk

John C. Donnelly 6-20-00  
County Judge

[COUNTY SEAL]



**AGENDA ITEM 32**

Discuss and take appropriate action on expansion of 800mhz radio coverage by multi tower simulcast.

Moved: **Commissioner Boatright**

Seconded: **Judge Doerfler**

Motion: To approve expansion of 800mhz radio coverage by multi tower simulcast.

Vote: Motion carried 3 – 1 with Commissioner Heiligenstein voting against the motion.

< Clerk copy here >



*3 more payments due incl. this year  
336,500<sup>22</sup> ea. - this year is budgeted.  
payment due 8-1  
last payment 8-1-02*

May 23, 2000

To : Williamson County Judge John Doerfler  
Williamson County Commissioners  
Geniva Simpson, Communications Director

From : Dan Scott, Account Manager  
Motorola, Inc.

Subject : System Expansion Overview

## **EXECUTIVE SUMMARY**

In 1995, Williamson County, in cooperation with the cities of Georgetown and Round Rock, entered into an agreement with Motorola for the purchase of a Smartnet 800 Mhz trunked system that would provide communications for all Public-Safety and Public-Service agencies. In 1996 the system went on-line consisting of 10 channels shared by all agencies and approximately 1000 radios. The prime site is located on Chandler road at a tower site now owned by Pinnacle Towers. All three entities share the costs associated with the lease of this tower as well as the on going maintenance costs. There is a back up site located east of Georgetown across from the Williamson County maintenance facility. This tower is owned by the county and the equipment consists of 7 channels shared by all entities during maintenance on the prime site.

## **SITUATION ANALYSIS**

Since 1995, Williamson County has experienced a period of unprecedented growth. Recent news releases have identified Williamson County as the fastest growing county in the state of Texas and the eighth fastest growing county in the nation. The area around Liberty Hill, Leander and Cedar Park have seen a phenomenal growth in the number of houses and people. As this has occurred, County services, such as EMS and Sheriff's patrol, have been required more and more to those areas. This growth pattern is also occurring in the Hutto and Taylor area as well as Florence. As EMS and Sheriff's patrol have served in these areas, they have become more and more aware of inadequate portable radio coverage from the current system. While mobile coverage is adequate county wide, your EMS responders and patrol deputies are often away from their vehicles performing their duties. As Williamson County has experienced this explosive growth, it has become necessary to consider expanding the radio system to provide adequate portable radio coverage for all Williamson County agencies.

## SOLUTION

Expand the current Motorola Smartnet 800 MHz trunked system from 1 site, 10 channels to 4 sites, 15 channels, simulcast. Simulcast is an industry term that is actually a combination of the words "simultaneous" and "broadcast". What would actually occur is that when a radio is in use it causes all four sites to simultaneously broadcast, the idea being that no matter where a radio user is in the county, he or she will be within range of one of the four sites.

## REQUIREMENTS

### Motorola –

- install new 15 channel system at prime site with new Smartnet Simulcast Controller
- move current prime site equipment to back-up site to replace current back-up equipment
- install new 15 channel system in the Granger area as the east remote simulcast site
- install new 15 channel system in the Andice area as the northwest remote simulcast site
- install new 15 channel system in Cedar Park as the southwest remote simulcast site
- install new 6 Ghz microwave system between sites
- install new Moscad system for switching to back up site and monitoring alarms
- install complete antenna systems at all sites
- provide towers, buildings and generators
- upgrade and expand the current dispatch console

### Williamson County –

- acquire land for proposed tower sites
- perform all civil work necessary at proposed tower sites
- acquire FCC licenses as required
- responsible for fees to APCO for frequency coordination

<b>Total Project Cost</b>	<b>\$5,500,000</b>
Equipment (repeaters, controllers, antennas)	\$2,331,707
Towers, Buildings & Generators	1,007,598
Microwave system	730,719
Project Management, Installation	726,859
Maintenance, System Support, Training	433,667
Factory Staging	269,450
Console upgrade and expansion	150,000
<b>Total Equipment and Services</b>	<b>\$5,650,000</b>
<b>Total Project</b>	<b>\$5,650,000</b>

LEASE/PURCHASE OPTIONS

Lease Term:	5 years	7 years	10 years
Payment Frequency	Annual	Annual	Annual
Payment Structure	Arrears	Arrears	Arrears
Lease Rate	5.93%	6.05%	6.13%
Lease Factor	0.236945	0.179453	0.136706
Lease Payment	\$1,338,739.20	\$1,013,909.40	\$772,388.90
Payment Commencement	First payment due one year after contract execution		

Upon authorization to proceed from Williamson County, Motorola will provide a Communication System Agreement, System Description, Statement of Work and detailed equipment list.

FCC licensing will be required, Motorola will assist Williamson County in applying for license, however, licensing is the responsibility of the County, associated fees to APCO are not included in the projected system cost.

Estimated Time Frame – one year completion from authorization to proceed.

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1,013,909

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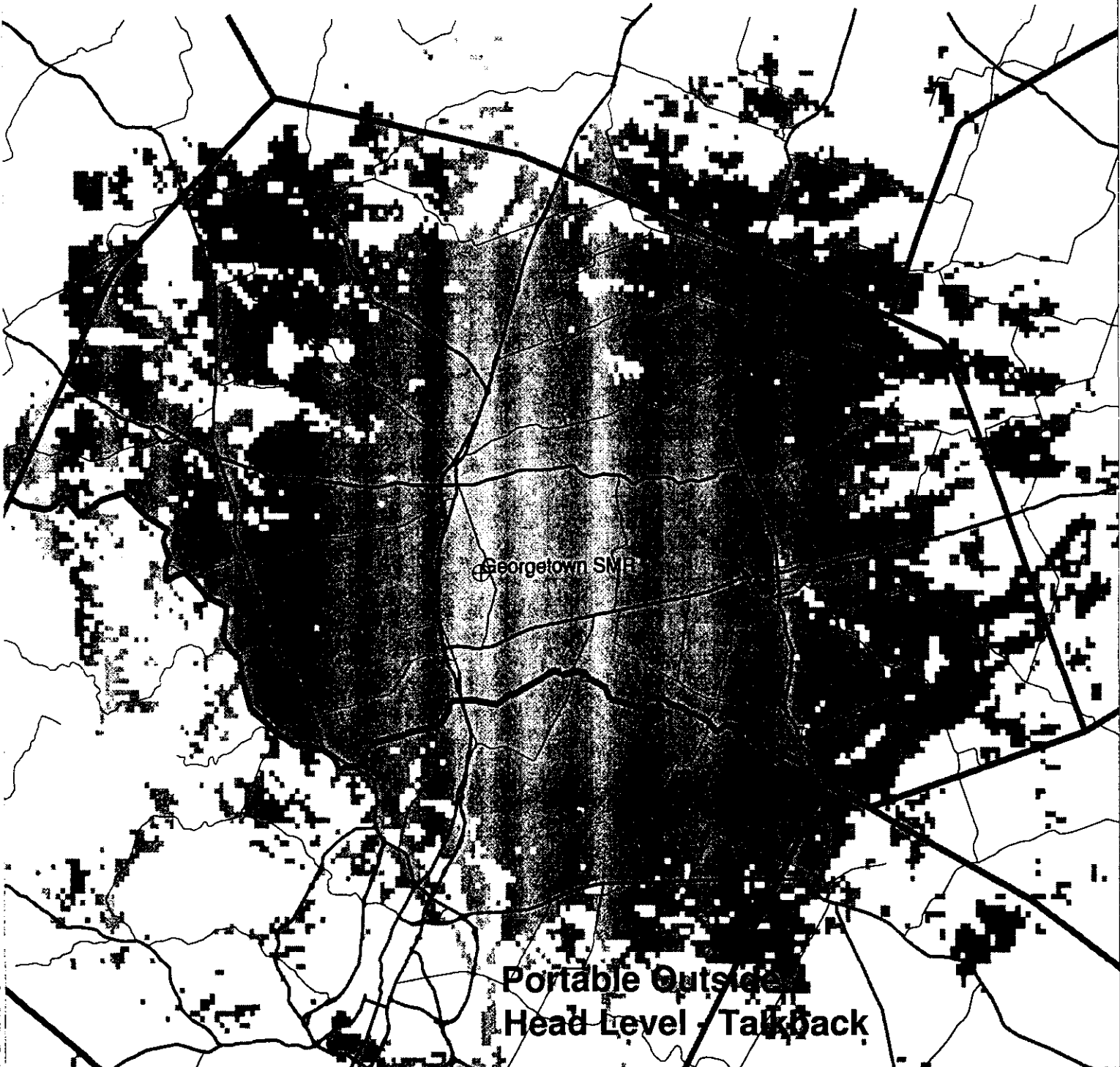
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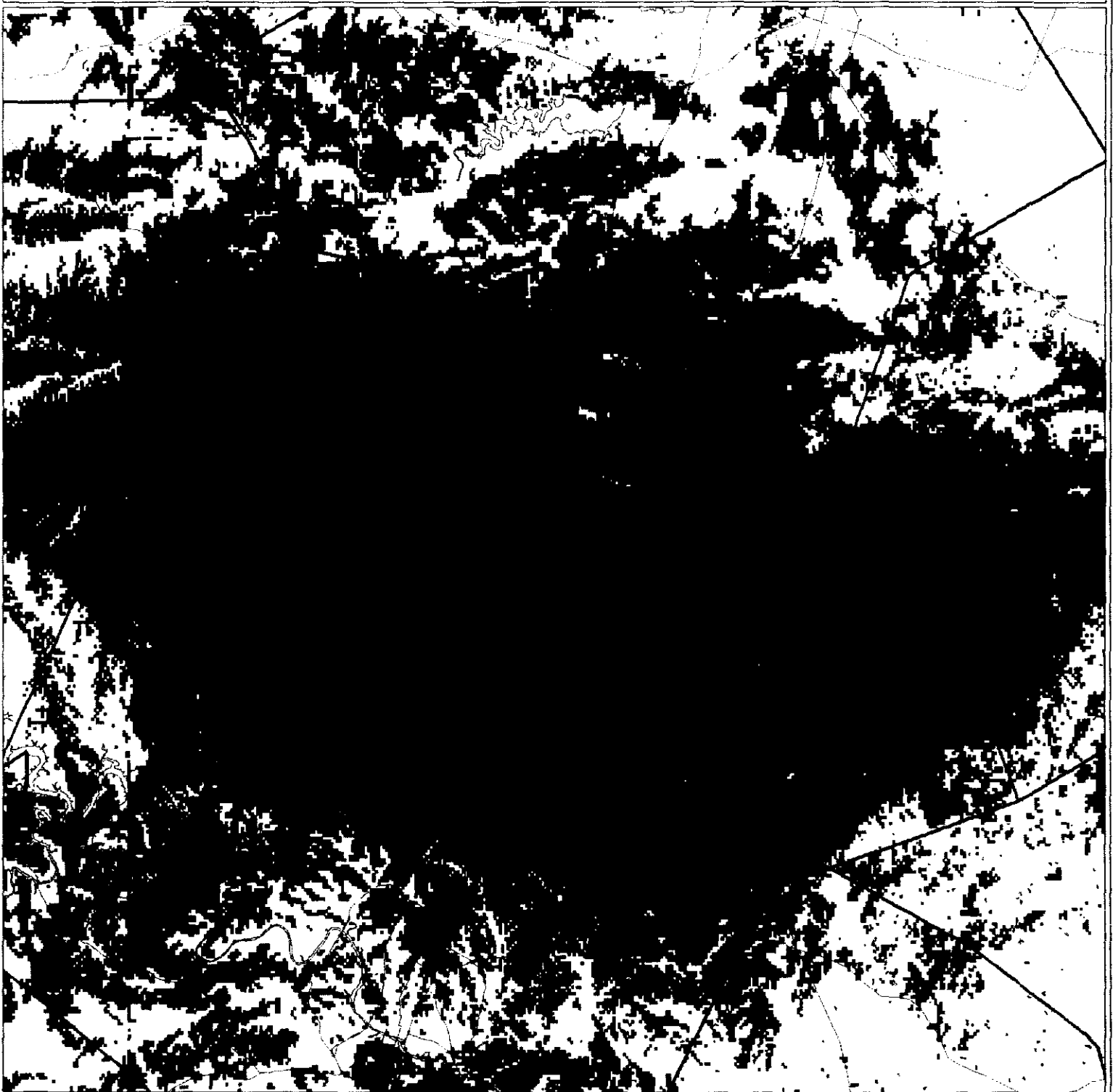
Freq : 806.0 Mhz  
A/Ht : 450.0 Ft.  
HAAT : 489.4 Ft.

Williamson County  
Georgetown SMR

Lat : 30 34 13  
Long : -97 39 24  
Elev : 797.2 Ft.



<div data-bbox="159 1849 462 1889" data-label="Text"> <p>MOTOROLA, INC.</p> </div> <div data-bbox="162 1889 454 1929" data-label="Figure"></div> <div data-bbox="64 1929 495 1962" data-label="Text"> <p>SCALE : 7.00 MILES PER INCH</p> </div> <div data-bbox="56 1983 438 2077" data-label="Text"> <p>Job # : 118503947 Engineer : cgnq20 Date : 03/22/1999 Time : 11:58:29</p> </div>	<div data-bbox="584 1849 1047 1889" data-label="Text"> <p>ANALOG PORTABLE to REPEATER W/2 ANT. Field Unit On Street</p> </div> <div data-bbox="568 1943 1023 2077" data-label="Text"> <p>Base ERS : 0.08µv(-128.8dBm) Base Ant Az: 0.0° H BeamWidth: 360.0° Field Unit ERP : 2.1W(33.2dBm) Field Unit Ant Ht : 6.0 Ft. Field Unit Ant Type :</p> </div>	<div data-bbox="1144 1849 1526 1983" data-label="Text"> <p>Calculated values are derived using average loss values for surroundings. Some low lying heavily wooded or urban areas may result in lower values than those indicated.</p> </div>
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Simulcast Reliability %

**MOTOROLA, INC.**

0.0 5.0 10

SCALE : 7.89 MILES PER INCH

Job # : 1562453009  
 Engineer : C15342  
 Date : 04/19/2000  
 Time : 17:42:45

Simulcast Base To ANALOG PORTABLE  
 Field Unit On Street

Field Unit ERS : 0.35Av(-116.1dBm)  
 Field Unit Ant Ht : 3.3 Ft.  
 Field Unit Ant Type :

Adjusted values are derived using average loss values for surroundings. Some low lying heavily wooded or urban areas may result in lower values than those indicated.

# Memo

**To:** Judge John Doerfler  
**From:** Geniva Simpson  
**Date:** May 17, 2000  
**Re:** Radio Expansion

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Listed are possible cost for a four (4) tower expansion, that will not be listed in Motorola's bid.

< License	\$15,000
< Land Lease	\$ 12,000.00 per year
< Ground Prep For Shelters	\$ 68.00 per yard
< Fencing around Shelters	\$10.00 per foot on fence materials; \$204.00 for double six (6) foot gate; 99.00 for single gate.
< Total	Unable to determine until land approval.

**AGENDA ITEM 33**

Discuss and take appropriate action on approval of Operation & Maintenance agreement with Coupland Water Supply Corporation.

Commissioner Limmer advised 57 residences were hooked up to the sewer system as of two and one-half weeks ago with \$15.00 monthly fee for first 60 days. Thereafter Manville Water Supply Corporation charges each residence for the number of gallons of water used. A part-time certified operator has been hired.

Moved: **Commissioner Limmer**

Seconded: **Commissioner Boatright**

Motion: To approve Operation & Maintenance agreement with Coupland Water Supply Corporation.

Vote: Motion carried 3 – 0 with Commissioner Heiligenstein absent from the dais.

< Clerk copy here >

### **OPERATION AND MAINTENANCE AGREEMENT**

This agreement is made on the 8th day of June, 2000, by and between the Coupland Water Supply Corporation, a Section 1432 non-profit corporation organized under the State of Texas, referred to herein as "Operator", and the County of Williamson, referred to herein as "County".

#### **RECITALS**

WHEREAS, County holds title to the real property described in Exhibit "A", attached hereto and incorporated herein for all purposes, referred to herein as the "Property", and

WHEREAS, County has received state grants to acquire and construct a sewage treatment facility (the "Facility") within the Property, and

WHEREAS, the purpose of said facility is to alleviate serious health problems occurring within that community, and

WHEREAS, the County desires to allow Operator to operate, manage, repair and maintain the Facility and related improvements in exchange for any and all payments rendered for services provided by the Facility, .

NOW THEREFORE, based on the below-described terms and conditions, the parties hereby agree as follows:

#### **SECTION I**

1. Operator agrees to operate, manage, repair and maintain the Property and the Facility as a Coupland Water Supply Corporation facility, subject to the terms of this Agreement.
2. County will obtain the following insurance, which will be maintained in force during the full term of this Agreement, unless County determines otherwise.
  - (a) Fire and extended coverage hazard insurance in an amount equal to the full replacement cost of improvements situated on the Property.
  - (b) All policies must name Operator and County as co-insured as their respective interest may appear. Operator and County will cooperate with each other and with any insurer in the making and delivery of all reports, notices, and other items required in connection with any insurance policies.
  - (c) Operator shall reimburse County for all costs associated with the provision of all insurance policies described in sub-sections (a) and (b), above. Said reimbursements shall be a pro-rated, added cost to the monthly water bills of the