

CHAIRPERSON  
DEBBIE DE LEON

VICE-CHAIRPERSON  
DALE COPELGE

VICE-CHAIRPERSON PRO-TEM  
RANDY SCHAFFER

LAW ENFORCEMENT COMMITTEE  
ANDY SCHOR, CHAIR  
DIANNE HOLMAN  
VICTOR CELENTINO  
DALE COPELGE  
MARC THOMAS  
RANDY SCHAFFER

## **INGHAM COUNTY BOARD OF COMMISSIONERS**

*P.O. Box 319, Mason, Michigan 48854 Telephone (517) 676-7200 Fax (517) 676-7264*

THE LAW ENFORCEMENT COMMITTEE WILL MEET ON THURSDAY, MARCH 12, 2009 AT 6:00 P.M., IN THE PERSONNEL CONFERENCE ROOM (D & E), HUMAN SERVICES BUILDING, 5303 S. CEDAR, LANSING.

### Agenda

Call to Order

Approval of the [February 26, 2009](#) Minutes

Additions to the Agenda

Limited Public Comment

1. Prosecuting Attorney's Office – Presentation from Stuart Dunnings, Prosecutor
  - a. Council of State Report
  - b. Preliminary Exams
  - c. 54A District Court
  - d. Paperless Project
  
2. Community Corrections Advisory Board (CCAB)
  - a. Resolution Authorizing the Community Corrections Advisory Board to Continue a Contract for [Staff Consultant Services](#)
  - b. Update on New Garden Project
  
3. Controller's Office
  - a. Update on 911 Consolidation Project
  - b. Discussion on Public Amplification [Ordinances](#) for Public Safety Communication Purposes

Announcements

Public Comment

Adjournment

### **PLEASE TURN OFF CELL PHONES OR OTHER ELECTRONIC DEVICES OR SET TO MUTE OR VIBRATE TO AVOID DISRUPTION DURING THE MEETING**

The County of Ingham will provide necessary reasonable auxiliary aids and services, such as interpreters for the hearing impaired and audio tapes of printed materials being considered at the meeting for the visually impaired, for individuals with disabilities at the meeting upon five (5) working days notice to the County of Ingham. Individuals with disabilities requiring auxiliary aids or services should contact the County of Ingham in writing or by calling the following: Ingham County Board of Commissioners, P.O. Box 319, Mason, MI 48854 Phone: (517) 676-7200. A quorum of the Board of Commissioners may be in attendance at this meeting. Meeting information is also available on line at [www.ingham.org](http://www.ingham.org)

## LAW ENFORCEMENT COMMITTEE

February 26, 2009

Minutes

Members Present: Andy Schor, Dianne Holman, Victor Celentino, Dale Copedge, Marc Thomas, Randy Schafer and Board Chairperson DeLeon

Members Absent: None

Others Present: John Neilsen, Judith Vickers, Don Vickers, Gene Wriggelsworth, Alan Spyke, Janeil Valentine, Greg Harless, Steve Dougan, Becky Bennett, Paul Griffes, Sheryl Feazel, Patti Wade, Larry Schulz, Dallas Henney, Randy Maiville, Don Sump, Gary Malcangi, Bob Hayes, Major Maatman and others

The meeting was called to order by Chairperson Schor at 6:01 p.m. in the Personnel Conference Room of the Human Services Building, 5303 S. Cedar, Lansing.

### Approval of the February 12, 2009 Minutes

MOVED BY COMM. SCHAFER, SUPPORTED BY COMM. CELENTINO, TO APPROVE THE FEBRUARY 12 MINUTES AS SUBMITTED. MOTION CARRIED UNANIMOUSLY.

Additions to the Agenda: None

Limited Public Comment: None

MOVED BY COMM. SCHAFER, SUPPORTED BY COMM. CELENTINO, TO APPROVE A CONSENT AGENDA FOR THE FOLLOWING ITEMS:

1. Law Enforcement and Judiciary Committees – Resolution in Support of the Council of State Governments (CSG) Report on the Reform of Michigan’s Correctional System
2. Law Enforcement Committee – Resolution Authorizing the Expansion of the Ingham County/City of Lansing Community Corrections Advisory Board to Include Two Representatives from the General Public

MOTION CARRIED UNANIMOUSLY.

MOVED BY COMM. SCHAFER, SUPPORTED BY COMM. CELENTINO, TO APPROVE THE ITEMS ON THE CONSENT AGENDA. MOTION CARRIED UNANIMOUSLY.

3. Sheriff’s Office
  - a. Resolution Authorizing the Purchase of a Used Vehicle for the Ingham County Sheriff’s Office

MOVED BY COMM. SCHAFER, SUPPORTED BY COMM. HOLMAN, TO APPROVE THE RESOLUTION AUTHORIZING THE PURCHASE OF A USED VEHICLE FOR THE INGHAM COUNTY SHERIFF’S OFFICE.

Comm. Copedge asked if a new vehicle with rebates would be cheaper than the used vehicle. Mr. Spyke said the used vehicle costs less than a new vehicle with rebates.

MOTION CARRIED UNANIMOUSLY.

b. Greg Harless, Chief Deputy – Inmate Phone Calls from the Jail

Chairperson Schor stated he spoke with Mr. Schneider, Lansing State Journal, regarding this issue. Mr. Spyke said the Sheriff's Office is taking necessary steps to protect people from receiving unwanted inmate calls from the Jail. Ingham County residents may still receive inmate calls from other Counties.

Chairperson Schor asked why the Ingham County Jail does not use a pin system for inmates. Mr. Harless said the current telephone system has safe guards to track the inmate calls from specific rooms; however, the system does not track specific inmates' names. The new telephone system does have pin numbers for each inmate. Inmates may gamble their pin numbers away as they do with other items.

Mr. Spyke said he invited Mr. Schneider to visit the Jail to see how the phone system works. Mr. Schneider was not interested to visit the Jail. Mr. Gross, representative from the new phone system, stated people will not hear any inmate calls until they accept the phone calls. People can also block phone calls from the Jail.

Comm. Celentino said he heard the Jail will only supply yellow pages to the inmates. Comm. Schafer thanked the staff for addressing the residents' concerns.

5. Discussion – Restructuring the Funding for Primary Law Enforcement Services

Sheriff Wriggelsworth said this issue has come up each year for the past 21 years. He then stated the Ingham County Police Chiefs meet monthly. This issue has also been addressed at those meetings. Almost all of the Police Chiefs at those meetings have indicated they are interested in a law enforcement millage. Sheriff Wriggelsworth also stated there was support within those units of government as well.

Comm. Holman asked if the Police Chiefs discussed details for the millage. Sheriff Wriggelsworth said the Police Chiefs did not discuss the details to date.

Mr. Neilsen said this Committee has discussed this item for many years. It also discussed a County-wide public safety millage. If a millage is approved by the County's residents, something will be worked out for those units of government who already contract with the County for public safety services. Mr. Neilsen also said 3.69 mills are necessary to full fund the current services from the Sheriff's Office. The Board of Commissioners has never chosen to put such a millage on a ballot.

Sheriff Wriggelsworth informed the Committee that his Office provides the only services between 2:00 a.m. and 6:00 a.m.

Chairperson Schor asked if any local chiefs are interested in having their own public safety services. Sheriff Wriggelsworth stated the Police Chiefs have not discussed this matter to date. He then said he cannot speak for the other jurisdictions.

Comm. Celentino asked if the County will pay back the areas exactly what they currently pay for public safety services if a millage is approved. Mr. Neilsen said those details have not been discussed. Comm. Celentino asked if the jurisdictions have discussed regionalism public safety services. Mr. Neilsen said this matter has not been discussed. Comm. Celentino said these matters are important and should be addressed.

Chairperson Schor said he is open to ideas as this Committee moves forward on this matter. He is also willing to have municipal leaders to discuss their concerns and their ideas.

Comm. Schafer asked what will happen with entities such as the dive team and mounted police, etc. Sheriff Wriggelsworth said some of the entities are volunteer services. Those services probably would continue if a county-wide millage is approved. He then said the Sheriff's Office's dive team merged with the City of Lansing's dive team.

Comm. Schafer said he has great concerns about police protection. Sheriff Wriggelsworth said all law enforcement agencies have the same concern. When people dial 9-1-1, they expect someone from the Sheriff's Office to respond. He then explained his Office no longer responds to car/deer accidents unless someone has been injured or if the deer must be put down.

Board Chairperson DeLeon asked Mr. Neilsen about other Counties that have cut their road patrol services. Mr. Neilsen said Washtenaw County has already cut road patrol services. Jurisdictions within that County must contract for road patrol services. Kent County has also reduced their road patrol services.

Board Chairperson DeLeon said she is unsure about how many people understand the mandated services from the County's Sheriff's Office. Sheriff Wriggelsworth said his Office provides many services which are not mandated. We are not required to respond to road accidents and to transport inmates. The County has a duty to provide a minimal response at services levels. Board Chairperson DeLeon said the Board of Commissioners has been advised that the Ingham County Jail is a mandated service. Mr. Spyke reviewed the law as it pertains to that matter.

Board Chairperson DeLeon stated this Committee has held discussions with the units of government in the past to try to interest them in contracting with the Sheriff's Office for services. This is an option to a County-wide millage. The County is trying to fill a hole in its 2010 budget. Board Chairperson DeLeon said she does not think there is enough time to put a millage question on an upcoming ballot. Chairperson Schor said the County could hold a special vote and then the County would be responsible for the costs associated with having a special vote.

Comm. Thomas said this Committee has been talking about a millage for the past four years and no one has expressed an interest in a millage for public safety services. Sheriff Wriggelsworth clarified that he has not spoken with the general law townships about such a millage.

Comm. Celentino asked Mr. Neilsen if any of the stimulus funds will go to law enforcement services. Mr. Neilsen said there is a COPS grant funding that is available to any local units of government. Mr. Spyke said he will forward the COPS grant information to this Committee for their review.

Chairperson Schor asked if any of the units of government who have contracted for services use services from the Sheriff's Office. Sheriff Wriggelsworth said it would be fair to say those agencies do not use our services.

Comm. Schafer said Representative Meadows told him that the Ingham County Sheriff's Office's services are very valuable to the City of East Lansing.

#### Public Comment

Mr. Goodrich, Delhi Township Supervisor, said Delhi Township has contracted with the Sheriff's Office for public safety services. Before the Township entered this contract it conducted a study on this matter. The study found that the contract with the County was better than what other units of government had with their Counties. The Delhi Township contract works well for its residents.

Mr. Goodrich explained that the Township provides the Sheriff's Office with a building and it takes care of the building maintenance. The Township is very pleased with this department.

Mr. Goodrich further stated Delhi Township is interested in talking about a County-wide millage. Delhi Township has .5 mills for a full-time fire department. The Township's contract with the County is about \$2.5 million. This contract expires in one year. Delhi Township cannot continue to provide its current level of public safety to its residents without a millage. The local units of government need to help each other when it comes to public safety matters. Mr. Goodrich highly recommended that this Committee and the Board of Commissioners do something such as a County-wide millage.

Chairperson Schor asked Mr. Goodrich if he has talked with other units of government about this matter and if they would support a millage. Mr. Goodrich said he has not had these discussions.

Board Chairperson DeLeon said she remembers how supportive Delhi Township has been with the County. She then asked for the difference in benefits the Delhi Township would have between the County imposing a millage or the Township imposing a millage. Mr. Goodrich stated the Ingham County Sheriff's Office needs more money to conduct its services to better serve everyone. The small units of government cannot afford to have their own police departments.

Comm. Schafer said the out-County areas could email their thoughts regarding this matter to the County if they wish.

Mr. Griffes, Locke Township Supervisor, said a County-wide millage is needed versus a township by township millage. Locke Township is satisfied with the current level of services it receives from the County. A millage should be for law enforcement services, not road patrol services. Mr. Griffes further stated he believes the County would have a hard time passing anything higher than one mill.

Chairperson Schor asked Mr. Griffes if he would support a millage. Mr. Griffes said he would support a County-wide millage versus a township by township millage. Not all townships could pass a millage.

Mr. Henney, Leslie Township Supervisor, said there is a problem with communication between the County and the local jurisdictions. We don't have a clue as to what the County is doing. Mr. Henney further stated the local jurisdictions feel they send in more money to the County than they should for the services they receive. The local jurisdictions are paying more for services than the Cities and Townships within Ingham County. Mr. Henney stated he is very concerned that a millage would die a painful death.

Chairperson Schor said this Committee is starting these discussions today to obtain information prior to our 2010 budget process. Everything is on the table for discussion and consideration. The County will share everything it knows and will solicit input from the local units of government.

Mr. Henney said their Township attorney informed them they cannot have a millage without the vote of the people. He then asked to see Ingham County's information regarding this matter. Chairperson Schor said the County will determine if it can legally release its legal opinion. If this information can be released, it will be sent to all interested parties.

Mr. Hayes, Williamstown Township Trustee, said the people have to be convinced they should vote for a millage if it is to succeed. His Township expects a basic level of safety services from Ingham County. Mr. Hayes suggested if the County has to make budget cuts; it should not make cuts in the areas of health, safety and welfare.

Mr. Hayes said his Township Clerk suggested the County should discuss something equitable which is based on township populations. Chairperson Schor said this issue would be discussed along with other options.

Mr. Maiville, Onondaga Township Supervisor, said the issue that the County thinks the out-County areas are a drain on its resources is a problem. It is a fact that the out-Counties actually subsidize other areas of the County. The County should compare tax bases versus populations. This comparison would show the out-County is subsidizing the Cities of Lansing and East Lansing.

Mr. Maiville said 686 of the people in the County Jail are from Lansing addresses. He then read from MCL 55.76. He stated this language indicates that each law enforcement agency has to provide specific services to its residents. Mr. Maiville then said this Committee should review the Brownstown Township case.

Chairperson Schor said he hopes Mr. Maiville will join this Committee in future discussions regarding law enforcement services.

Mr. Malcangi, Aurelius Township, said the Township is interested in what it is currently receiving for law enforcement services. The County has to determine what is important to its residents. A police presence is very important. Ms. Malcangi then said his Township only needs the police on an "as needed" basis.

Chairperson Schor asked if Aurelius Township would be interested in a public safety millage. Mr. Malcangi stated he does not think his Township would be interested in a millage.

Chairperson Schor thanked everyone for attending tonight's meeting. This discussion will continue.

4. Controller's Office
  - a. Update on 911 Consolidation Project

Mr. Neilsen said there are no new issues on this Project since two weeks ago.

- b. Update on Ordinances Regarding Public Safety Amplification Systems

This item will be on the next meeting agenda.

6. Board Referral – Letter and Resolution from Williamston Township Regarding Contracting for Police Service

The Board Referral was received and placed on file.

Announcements:      None  
Public Comment:      None

The meeting adjourned at 7:31 p.m.

Respectfully submitted,

Debra Neff

**RESOLUTION STAFF REVIEW**

**DATE** March 5, 2009

**Agenda Item Title:** Resolution Authorizing the Community Corrections Advisory Board to Continue a Contract for Staff Consultant Services

**Submitted by:** Community Corrections Advisory Board (CCAB)

**Committees:** LE X, JD \_\_\_\_, H.S. \_\_\_\_, CS \_\_\_\_, Finance X

**Summary of Proposed Action:** This resolution will authorize a contract to provide staff consultant services for the CCAB through 2009. The current vendor Career Quest (\$12,703) will be used for the period of January 1 through March 20, 2009. Career Quest is getting out of the business on March 20, 2009.

A new vendor, the Westaff Agency, will take over the contract under the same terms and conditions. The balance of the year's costs (\$42,903) will be paid to the Westaff Agency for the remainder of 2009.

**Financial Implications:** The cost of the 2009 contract will not exceed \$55,606 for approximately 1,856 hours.

Funds are in the CCAB FY 2009 budget in the amount of \$57,942.

The calculation for the full year is:

49 weeks x 40 hours/week less 104 holiday hours = 1,856  
2008 hourly pay rate of \$24.56 + 22% (1.22%) \$5.40 = 29.96 per hour  
\$29.96 x 1,856 = \$55,605.76 (Contractor's % = \$10,022)

The actual contract with the Westaff Agency will be reduced by 12 weeks (January 1 through March 20) - 4 holidays = \$12,703

\$55,606 - \$12,703 = \$42,903 for the Westaff Agency contract.

**Other Implications:** Staff Consultant services provide the CCAB Manager with assistance to carry out the daily operations of the Community Corrections Office, and make it possible for the undertaking of projects designed to enhance and monitor local service/treatment programs, and to more effectively and efficiently manage local corrections resources, including the Ingham County Jail.

**Staff Recommendation:** MM \_\_\_\_, JN X, TL \_\_\_\_, TM \_\_\_\_, JC \_\_\_\_  
Staff recommends Board approval of this resolution

cc: Mary Sabaj

Introduced by the Law Enforcement and Finance Committees of the:

**INGHAM COUNTY BOARD OF COMMISSIONERS**

**RESOLUTION AUTHORIZING THE COMMUNITY CORRECTIONS ADVISORY BOARD (CCAB) TO CONTINUE A CONTRACT FOR STAFF CONSULTANT SERVICES**

WHEREAS, the Ingham County Board of Commissioners authorized \$57,942 in the FY2009 budget to continue a contract for CCAB staff consultant services; and

WHEREAS, the most recent contract period authorized services through December of 2008; and

WHEREAS, Career Quest, serving as the contractor for the staff consultant since 2005, has notified the County that this type of service is being discontinued for all of its clients as of March 21, 2009; and

WHEREAS, a discounted rate of 22%, from 28%, was negotiated with Career Quest in 2008 saving \$2,322; and

WHEREAS, the Westaff Agency has agreed to take over the contract at the same 22% rate that was negotiated with Career Quest; and

WHEREAS, in an effort to further reduce the cost of the contract to the County, the staff consultant has offered to continue to provide services at the 2008 hourly rate (a 2% reduction from the rate approved in the 2009 budget) and also, reduce the cost of the contract by an additional 40 hours by increasing unpaid vacation time from 2 to 3 weeks, all saving an additional \$2,336 and resulting in a total cost of \$55,606 for 2009; and

WHEREAS, the State of Michigan Office of Community Corrections and City of Lansing grant funds also reduce the cost of staff consultant services to the County by \$18, 240 resulting in an actual General Fund cost of \$37,366 for 2009.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners hereby approves entering a contract with Career Quest for the period of January 1 through March 20, 2009, in the amount of \$12,703 and with Westaff for CCAB staff consultant services from March 21, 2009 through December 31, 2009, in an amount not to exceed \$42,903.

BE IT FURTHER RESOLVED, that the contract funds will come from the Community Corrections Advisory Board 2009 budget.

BE IT FURTHER RESOLVED, that the Chairperson of the Ingham County Board of Commissioners and the County Clerk are authorized to sign any contract documents consistent with this resolution and approved as to form by the County Attorney.

March 27, 2008

Ingham County Municipal Governments  
Ingham County School Districts  
Michigan State University  
Lansing Community College  
State of Michigan

Dear Elected Officials and Community Leaders:

Attached you will find a copy of the following Resolution #08-089, "Resolution to Urge Use of Public Safety Amplification Systems and to Encourage all Ingham County Municipalities to Adopt Ordinances Requiring Public Safety Amplification Systems" adopted by the Board of Commissioners on March 25, 2008.

This resolution urges all Ingham County municipalities to adopt ordinances requiring public safety amplification systems for new construction and major renovations of buildings within their communities to safeguard Ingham County citizens and public safety officers. It further urges all Ingham County public entities, including all Ingham County School Districts, Lansing Community College, the State of Michigan, and Michigan State University to include public safety amplification systems for new construction and major renovations of their public buildings within Ingham County.

This is a follow up to a communication sent last summer to many of you. The attached communication was sent along with a draft of "An Ordinance of the City of Lansing, Michigan, to Provide for a New Ordinance of General Regulations to Require a Public Safety Radio Amplification System in Any New Construction or Existing Modified Structure" that the City of Lansing is considering for adoption.

The intent of the Ordinance is to ensure that new construction and major renovations of primarily major commercial buildings are designed with adequate in building amplification systems. This is essential to make sure public safety officers will have adequate communications within all types of buildings in your jurisdictions when responding to police, fire and EMS related emergencies.

Public Safety Amplification Systems  
Page Two  
March 27, 2008

---

We wanted to share this with all local units of government, school districts, state government, Michigan State University and Lansing Community College for your review, discussion and ultimately urge you to adopt a similar ordinance or building standard that is tailored for your own jurisdiction. We are sure you will agree with us that it is imperative to have these vital public safety communications during times of emergencies to help safeguard Ingham County citizens and public safety officers.

There is also attached an excerpt of an excellent article in the APCO public safety magazine relating to this very topic. The article illustrates how current communications building amplification technology upgrades in buildings for safety purposes is just as important as laws which require sprinkler systems for public safety.

We would further request that you contact our Deputy Controller, John Neilsen at 676-7211 or [jneilsen@ingham.org](mailto:jneilsen@ingham.org) if you have already or if you intend to adopt such an ordinance or standard for your new construction and major renovation building projects.

Sincerely,

Marc O. Thomas, Chairperson  
Ingham County  
Board of Commissioners

Dianne Holman, Chairperson  
Law Enforcement Committee

MOT/DH//jln/lrs

cc: 911 Advisory Board  
Board of Commissioners  
Ingham County Police Chiefs  
Ingham County Fire Chiefs

Introduced by the Law Enforcement Committee of the:

**INGHAM COUNTY BOARD OF COMMISSIONERS**

**RESOLUTION TO URGE THE USE OF PUBLIC SAFETY AMPLIFICATION SYSTEMS AND TO ENCOURAGE ALL INGHAM COUNTY MUNICIPALITIES TO ADOPT ORDINANCES REQUIRING PUBLIC SAFETY AMPLIFICATION SYSTEMS**

**RESOLUTION #08-089**

WHEREAS, building public safety amplification systems are essential to make sure public safety officers will have adequate communications within all types of buildings when responding to police, fire and EMS related emergencies; and

WHEREAS, the public safety and welfare within the County would be greatly enhanced if all new building construction and major building renovations included public safety amplification systems; and

WHEREAS, many progressive communities have adopted Ordinances to ensure that new construction and major renovations of buildings within their communities are designed with adequate in building public safety amplification systems to enhance Public Safety Communications.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners hereby urges all Ingham County municipalities to adopt ordinances requiring public safety amplification systems for new construction and major renovations of buildings within their communities to safeguard Ingham County citizens and public safety officers.

BE IT FURTHER RESOLVED, that the Ingham County Board of Commissioners hereby urges all Ingham County public entities, including all Ingham County School Districts, Lansing Community College, the State of Michigan, and Michigan State University to include public safety amplification systems for new construction and major renovations of their public buildings within Ingham County.

BE IT FURTHER RESOLVED, that the County Clerk shall send copies of this resolution to all Ingham County Municipalities, Ingham County School Districts, Lansing Community College, the State of Michigan, and Michigan State University.

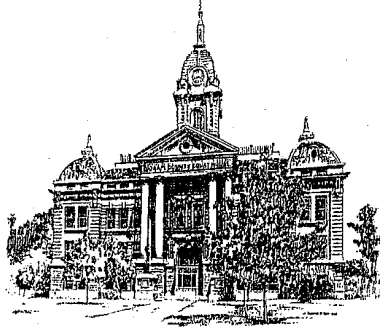
**LAW ENFORCEMENT: Yeas:** Holman, Copedge, Celentino, Schafer  
**Nays:** None      **Absent:** De Leon, Tennis      **Approved 3/13/08**

# Ingham County Board of Commissioners

CHAIRPERSON  
MARC THOMAS  
DISTRICT 8

VICE-CHAIRPERSON  
DIANNE HOLMAN  
DISTRICT 11

VICE-CHAIRPERSON PRO TEM  
MIKE SEVERINO  
DISTRICT 15



INGHAM COUNTY COURTHOUSE  
P.O. BOX 319  
MASON, MICHIGAN 48854-0319

TELEPHONE: (517) 676-7200  
FAX: (517) 676-7264  
web site: www.ingham.org

BECKY BENNETT  
BOARD COORDINATOR

VICTOR G. CELENTINO  
DISTRICT 1

DEBBIE DE LEON  
DISTRICT 2

TINA WEATHERWAX-GRANT  
DISTRICT 3

REBECCA BAHAR-COOK  
DISTRICT 4

ANDY SCHOR  
DISTRICT 5

DALE COPELGE  
DISTRICT 6

TODD TENNIS  
DISTRICT 7

CURTIS HERTEL, JR.  
DISTRICT 9

MARK GREBNER  
DISTRICT 10

DEB NOLAN  
DISTRICT 12

RANDY SCHAFFER  
DISTRICT 13

STEVE DOUGAN  
DISTRICT 14

TIMOTHY SOULE  
DISTRICT 16

June 26, 2007

Ingham County Municipal Governments

Dear Elected Officials:

Attached is a draft of "An Ordinance of the City of Lansing, Michigan, to Provide for a New Ordinance of General Regulations to Require a Public Safety Radio Amplification System in Any New Construction or Existing Modified Structure" that the City of Lansing is considering for adoption.

The intent of the Ordinance is to ensure that new construction and major renovations of primarily major commercial buildings are designed with adequate in building amplification systems. This is essential to make sure public safety officers will have adequate communications within all types of buildings in your jurisdictions when responding to police, fire and EMS related emergencies.

We wanted to share this with all local units of government for your review, discussion and ultimately urge you to adopt a similar ordinance that is tailored for your own jurisdiction. I am sure you will agree that it is imperative to have these vital public safety communications during times of emergencies to help safeguard Ingham County citizens and public safety officers.

There is also attached a portion of an excellent article in the APCO public safety magazine relating to this very topic. The article illustrates how current communications building amplification technology upgrades in buildings for safety purposes is just as important as laws which require sprinkler systems for public safety.

Sincerely,

Marc O. Thomas, Chairperson  
Ingham County  
Board of Commissioners

Dale Copedge, Chairperson  
Law Enforcement Committee

ORDINANCE NO. \_\_\_\_\_

AN ORDINANCE OF THE CITY OF LANSING, MICHIGAN, TO PROVIDE FOR A NEW ORDINANCE OF GENERAL REGULATIONS TO REQUIRE A PUBLIC SAFETY RADIO AMPLIFICATION SYSTEM IN ANY NEW CONSTRUCTION OR EXISTING MODIFIED STRUCTURE.

THE CITY OF LANSING ORDAINS:

Section 1. That Chapter \_\_\_\_\_, Section \_\_\_\_\_, of the Codified Ordinances of the City of Lansing, Michigan, be and is A NEW ORDINANCE to read as follows:

Section 2. RADIO COVERAGE.

- (a) Except as otherwise provided, no person shall erect, construct, maintain or modify any building or structure or any part thereof, or cause the same to be done which fails to support adequate radio coverage for city public safety services, including but not limited to police, fire, and EMS services. A certificate of occupancy may not be issued for any building or structure which fails to comply with this requirement. The frequency range which must be supported shall be 450 to 470 MHz, or as otherwise established as necessary for public safety purposes.
- (b) For purposes of this ordinance, adequate radio coverage shall include the following:
  - (1) A minimum signal level of DAQ 3 (Delivered Audio Quality 3) as may be available in 95% of the test area as agreed by the city and the radio system manufacturer, and a minimum signal level of  $-95\text{dBm}$  as measured on a calibrated portable radio's RSSI indicator in the test areas while the portable radio is being worn on the belt of the tester and has a speaker microphone attached to it which is the same type and specification as is currently being

used by police, and fire personnel. The performance criterion, which shall be used for testing, shall be based on TSB-88, clause 4.2.

- (2) TSB-88 is a “Telecommunications Systems Bulletin” published by the TIA (Telecommunications Industry Association), and is shown in Table 1 below.
- (3) Industry standard DAQ definitions are shown in Table 1.
- (4) The performance level is rated using “Delivered Audio Quality”. DAQ level 3 is commonly specified as the minimum performance level for public safety systems.
- (5) Table 1 – Delivered Audio Quality Definitions

<b>DAQ Delivered Audio Quality</b>	<b>Subjective Performance Description</b>
1	Unusable, speech present, but unreadable.
2	Understandable with considerable effort. Frequent repetition due to noise/distortion.
3	Speech understandable with slight effort. Occasional repetition may be required due to noise / distortion.
3.5	Speech understandable with repetition only rarely required. Some noise or distortion may be present at times.
4	Speech easily understood. May be occasional noise or distortion but not enough to overcome speech recognition.
4.5	Speech easily understood. Infrequent noise or distortion.
5	Speech easily understood. No noise present “full quieting”.

**Section 3. AMPLIFICATION SYSTEM ALLOWED.**

- (a) Buildings and structures may be equipped with any of the following, in order to achieve adequate radio coverage:

- (1) An FCC type accepted bi-directional amplifier, as needed, to encompass the minimum frequency range established by the city. This amplifier may be used in conjunction with radiax (radiating cable), or heliax (coaxial non-radiating cable) using multiple antennas located throughout the building, or a combination of both types of cable using various antenna combinations as necessary to provide adequate in-building coverage. The cable type may be plenum or non-plenum rated depending upon code requirements at each location of the cable within the building, or
- (2) Any system that has been properly engineered and designed and has been approved by the city as being capable of providing amplification to meet these minimum ordinance requirements.

(b) Any amplification system that will be used shall be capable of operating on an independent battery or generator system for a period of at least 12 hours without external power input. The battery system shall automatically charge in the presence of external power input. There shall be no connectivity between the amplification system and the building's fire alarm system.

#### Section 4. OWNER RESPONSIBILITY.

It shall be the responsibility of any owner of a building or structure which currently holds a certificate of occupancy to be in compliance with this chapter upon its effective date.

#### Section 5. INADEQUATE RADIO COVERAGE.

(a) The owner of any building or structure which fails to support adequate radio coverage must develop and have approved within 90 days a plan acceptable to the city police department to address inadequate radio coverage.

(b) The Chief of Police, upon good cause shown, may extend the time for approval of a plan acceptable to the city. The owner of the building or structure shall have an approved plan implemented within one year after the effective date of this ordinance.

Section 6. ACCEPTANCE TEST PROCEDURES.

(a) Upon completion of installation of the system, acceptance testing for an in-building radio amplification system shall be required.

(b) The building owner shall ensure that radio system coverage on each floor of the building is a minimum of DAQ3.

(1) Each floor of the building shall be divided into a grid of approximately twenty equal areas. A maximum of two nonadjacent areas will be allowed to fail the test. In the event two of the areas fail the test, the floor may be divided into forty equal areas. In such event, a maximum of four nonadjacent areas will be allowed to fail. If after the forty-area test, the system continues to fail, the building owner at the owner's expense shall repair, replace, alter or upgrade the system to meet the DAQ 3 coverage requirement.

(2) Talk back testing from the site to the Ingham County 911 Communications Center shall use a four watt UHF (450-470 Mhz) portable transceiver of the same type and specifications as current radios being used by police, fire, and EMS personnel and shall be conducted in the following manner:

(A) By using the same type of speaker/microphone and flexible antenna with the radio being worn on the belt during the tests.

(B) Finding a spot located approximately in the center of a grid area which will be selected for the first test. The person performing the testing will then stand in that spot and transmit with the test radio for at least 10 seconds while speaking directly into the speaker microphone to verify two-way communication to and from the inside of the building to the communications center.

- (C) Once the spot has been selected, use of another spot within the grid area will not be permitted.
- (D) The internal RSSI meter of the portable radio used for the testing will be used for the signal strength measurements and will have been calibrated within the last 12 months using test equipment which is currently certified to meet NIST calibration requirements within the last 12 months at the frequency range which is being used for the tests, and the RSSI readings are read from the portable radio while it is being worn on the belt with the radio and antenna being located vertically and next to the user's body. And the portable radio will have a fully charged battery for these tests.

(3) The gain values of all amplifiers shall be measured and recorded and the results kept on file with the building owner so that the measurements may be verified each year during the annual tests. In the event measurement results are lost, the building owner will be required to rerun the acceptance test at their own expense in order to reestablish the gain values.

#### Section 7. ANNUAL TESTS.

(a) When an in-building radio system is installed, the building owner shall test all active components of the system including but not limited to amplifier, the power supplies, and back-up batteries, a minimum of once every 12 months. Amplifiers shall be tested to ensure that the gain is the same as it was upon initial installation and acceptance. Back-up batteries and power supplies shall be tested under load for a period of one hour to verify that they will operate during an actual power outage.

(b) All other active components shall be checked to determine that they are operating within the manufacturers specifications for the intended purpose.

#### Section 8. FIVE-YEAR TEST.

In addition to the annual test, the building owner shall perform a radio coverage test no less than once every five years to ensure that the radio system continues to meet the requirements of the original acceptance. The procedure set forth above in section \_\_\_\_\_ shall apply to such tests.

#### Section 9. QUALIFICATIONS OF TESTING PERSONNEL.

All tests shall be conducted, by a person in possession of a current FCC general radiotelephone operator license. That person shall also document and sign all test records. test records shall be retained at the inspected premises by the building owner and a copy submitted to the City of Lansing within 30 days of conducting the test. In the event the test results shall fail to comply with the minimum requirements of the city, appropriate repairs or alterations, as may be required, shall be made and additional tests conducted until tests results meet the minimum requirements.

#### Section 10. INSPECTIONS.

Authorized City personnel, after providing reasonable notice to the owner or his representative, shall have the right to enter onto the property to conduct field testing to be certain that the required level of radio coverage is present.

#### Section 11. PROPERTY OWNER MAINTENANCE RESPONSIBILITIES.

The property owner shall be responsible for maintenance of the system. A maintenance contract shall be provided to the city police department with the name of the contractor, who within 2 hours after notification by either the city or the property owner will supply a 24-hour, 7-day emergency response. The maintenance contract shall also contain contact personnel telephone,

pager or other emergency contact numbers. Property owners shall submit to the city police department telephone, pager or other emergency contact numbers for the property owner. The property owner shall be responsible for making any repairs, replacement or upgrades to the systems as directed by the city police department, to maintain overall system safety and inter-operability.

#### Section 12. EXEMPTIONS.

(a) This section shall not apply to buildings less than 10,000 square feet including any building constructed of wood frame; nor any building which does not exceed thirty-five (35) feet in height, as long as none of the aforementioned buildings make primary use of metal or concrete construction above grade, or contain below grade storage or parking areas. For purposes of this section, parking structures are included in the definition of “building” and stairway shafts are included in the definition of all parts of a building, but elevators may be excluded.

(b) Buildings constructed prior to the implementation of this section shall not be required to comply with public safety radio coverage provisions of this section. However, should such exempted structures undergo renovation, restoration, or significant alteration to the original structure, exemption from the provisions of this requirement shall not apply.

#### Section 13. FAILURE TO COMPLY.

Failure to comply with this ordinance shall be grounds for the Director of Building and Code Enforcement to revoke any previously issued Certificate of Occupancy for the building or structure.

Section 14. A written appeal may be taken to the city code compliance department regarding the revocation of the Certificate of Occupancy within 30 days of the revocation.

Section 15. All ordinances, resolutions or rules, parts of ordinances, resolutions or rules inconsistent with the provisions hereof are hereby repealed.

Section 16. Should any section, clause or phrase of this ordinance be declared invalid, the same shall not affect the validity of the ordinance as a whole, nor any part thereof other than the part so declared to be invalid.

Section 17. This ordinance shall take effect on the 30th day after enactment unless given immediate effect by City Council.