

Public Safety Communications Board

**Leon County
City of Tallahassee
Leon County Sheriff
Tallahassee Fire Department
Tallahassee Police Department
Leon County Emergency Medical Service**

(The following attachments are for the February 8th meeting)

Agenda
Public Safety Communications Board Meeting
February 8, 2007

Meeting Time and Location: 11:30 a.m. in the Leon County Sheriff's Office Citizen Training Academy Room - 2nd Floor

1. Approval of the January 11, 2007 PSCB Meeting minutes
2. Acceptance of the Status Report regarding the current 800Mhz System Operational Issues
3. Status Report from Winbourne and Costas
4. Radio Communications Request for Proposal
 - i. Technical Subcommittee Rpeort
 - ii. Request for Proposal Evaluation Process
5. Review of the Site Selection Criteria for the location of the Public Safety Communications Center
6. New Business
7. Next meeting date:
 - Date: March 8, 2007
 - Time: 11:30am to 1:30pm
 - Location: 2nd Floor Community Room
Renaissance Center
435 North Macomb Street
8. Possible agenda topics for the next meeting

**Minutes for the January 11, 2007
Public Safety Communications Board Meeting
11:39A.M.**

Note: Two members of the PSCB were absent: City Manager Anita Favors-Thompson and Sheriff Larry Campbell. Both were represented by their alternates: Assistant City Manager Rick Fernandez and Major Scott Bakotic.

1. Approval of the December 7, 2006 minutes:
Chief Quillin moved, seconded by the Assistant City Manager, to approve the December 7, 2006 minutes. The motion passed unanimously.
2. Approval of the December 19, 2006 Potential Land Sites Tour minutes:
Chief Dick moved, seconded by Chief McNeil, to approve the December 19, 2006 minutes of the potential land sites tour. The motion passed unanimously.
3. Acceptance of the Status Report regarding the current 800 MHz System operational issues:
The PSCB received and accepted the status report.
4. Status Report from Winbourne and Costas:
Ira Grossman, Consultant with Winbourne and Costas, presented a brief report to the PSCB.
5. Review of the Radio Communications Request for Proposal (RFP):
Don DeLoach, Chief Information Systems Officer, presented the PSCB with the following recommendations by the Technical Subcommittee in regards to the radio communications RFP:
 - Issue an RFP for an APCO Project 25 Phase I 800 Mhz System
 - Direct the following sole source options also be conducted:
 - i. A formal letter will be sent to MA/COM with criterion established for coverage and subscriber units and a request for a proposal to become a part of the State Law Enforcement Radio System (SLERS).
 - ii. A formal letter will be issued to Motorola to provide a proposal to install an analog upgrade to the current existing system.
 - iii. A formal letter will be issued to Motorola to provide a proposal for a digital upgrade to the current system. This upgrade would only upgrade Public Safety subscribers.

Mr. DeLoach stated that it was the intent of the Technical Subcommittee to publish the RFP and distribute the letters on January 29, 2007. The responses of the RFP will be due 120 days later. The Technical Subcommittee intends to review the responses with the consultant, Nick Tusa, and then present a final recommendation to the PSCB.

The Assistant City Manger moved, seconded by Major Bakotic, to issue an RFP for an APCO Project 25 Phase I 800 Mhz system, issue three formal letters, and directed the Technical Subcommittee to approve and document all necessary edits. The PSCB requested that the edits to the RFP be brought back for review only. The motion passed unanimously.

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6. Follow-up regarding the tour of the potential site locations for the Public Safety Communications Center:

The County Administrator stated that he would still like for the EMS building to be included in the co-location discussions, if a site was selected in reasonable time. Chief Quillin stated that, with the assistance of Winbourne and Costas, all available public and private lands should be considered when determining the best location for the Public Safety Communications Center.

Chief Quillin moved, seconded by Chief Dick, to issue an RFP in order to allow for the consideration of private lands for the Public Safety Communications Center while simultaneously working with Winbourne and Costas to determine the appropriate square footage and other needs of the building. Discussion of the motion followed.

The Assistant City Manager stated that the PSCB should eliminate all publicly owned property before issuing an RFP for the consideration of the privately owned land. The County Administrator stated that the PSCB should continue to look for the best possible site for the center, whether it was on public or private land. Mark Beaudoin, City of Tallahassee, stated that it would take approximately six months to define a set of parameters, issue an RFP, review the responses, and finally select a site. Tom Brantley, Leon County Facilities Director, confirmed and suggested that the PSCB use GIS software to aid in the identification of sites. Chris Floyd, Interim Director of the Capital City Chapter of the American Red Cross, requested to be included in the RFP criteria discussions. The Assistant City Manager restated that the PSCB first needs to evaluate the two viable sites owned by the City and County before issuing an RFP.

Chief Quillin withdrew his motion.

Chief Dick moved, seconded by the Assistant City Manager, to direct staff to develop the site selection criteria for the location of the Public Safety Communications Center. Alan Rosenzweig and representatives from the City and County will work the Technical Subcommittee and the American Red Cross in order to develop the site selection criteria. The committee will use GIS software in order to identify other possible site locations. The motion passed unanimously.

7. Discussion regarding the Emergency Operations Center (EOC):

Chief McNeil stated that it is his understanding that the focus of the PSCB is on public safety communication and not emergency management. Chief McNeil stated that the PSCB should ask the County and City Commissions for direction in regards to the EOC building.

Chief Dick agreed that the specific direction was not emergency management, however due to the nature of past discussions to include the American Red Cross and Traffic Management in same location as the Public Safety Communications Center, it seems logical to include an EOC.

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7. Continued: Discussion regarding the Emergency Operations Center:

The County Administrator stated that the issue before the PSCB was whether or not to plan for an EOC to be located in the same vicinity at some future time. The question is should we acquire enough land that could accommodate an EOC if such a decision is made in the future.

Major Bakotic stated for purposes of efficiency several counties across the state are moving towards creating a facility that include dispatch, traffic management, and in EOC in one building.

The Assistant City Manger stated that while the developing the site selection criteria, it is necessary to include enough land in order to expand for the inclusion of an EOC.

The PSCB agreed and Chief McNeil concurred to size the potential site location for the possible inclusion of an EOC.

8. Discussion regarding the status of the selection process for the Public Safety Communications Director:

The County Administrator voiced concern over pre-maturely hiring the Director of the Public Safety Communications. The County Administrator related the hiring of this Director to the hiring of the Blueprint 2000 Director. For example, Blueprint 2000's infrastructure was completed before the Director was hired.

Ira Grossman, consultant from Winbourne and Costas, stated that hiring a Director before the consolidation was approved might be premature. Mr. Grossman stated that an infrastructure should be in place before hiring a Director and recommended waiting to move forward with the hiring process.

The PSCB agreed to revisit the selection process for the Public Safety Communications Director until after the consultant's final report.

9. New Business:

None

10. Next meeting date:

Date: February 8, 2007

Time: 11:30am to 1:30pm

Location: 2nd Floor Community Room

Renaissance Center

435 North Macomb Street

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Public Safety Communications Board Meeting
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11. Possible Agenda Topics for the Next Meeting:

- i. Acceptance of the Status Report regarding the current 800 MHz System operational issues
- ii. Status Report from Winbourne and Costas
- iii. Review of the edits for the Radio Communications Request For Proposal
- iv. Review of the site selection criteria for the location of the Public Safety Communications Center

Meeting adjourned at 12:36 p.m.

MEMORANDUM

DATE: February 8, 2007

TO: Public Safety Communications Board:
Parwez Alam, Chair
Anita R. Favors Thompson, Vice Chair
Sheriff Larry Campbell
Chief John Proctor
Chief Cynthia Dick
Chief Tom Quillin

FROM: Leven Magruder, 800 MHz Communications System Manager, City of Tallahassee

SUBJECT: Monthly Status Report for the 800 MHz System

System:

1. The system continues to perform satisfactorily for Public Safety and local Government personnel

Infrastructure:

1. Prime site generator project is completed. The new generator, with the required alarm connectivity, is fully installed and operational
2. We have completed a Purchase Order for a multi year Generator Maintenance Service Agreement.
3. We have completed a Purchase Order for purchase of replacement of emergency power batteries at the Prime site for the TPD & TFD dispatch consoles
4. We have completed a Purchase Order for a multi year Battery Maintenance Service Agreement.
5. A planning meeting for resolution of a technical problem with dispatch patching capabilities is scheduled for 2-07-07. Activities to complete resolution will be scheduled after plan is established.

Voice:

1. City Hall Maintenance has been utilizing a very old UHF system for Security and building operations. This system is beyond repair and experiencing problems. We have programmed 20 portable 800 MHz radios from surplus donated by State of Florida. IDs will be from those assigned to COT. The talk groups will be separate from all Public Safety used talk groups.
2. I request approval for the use of City Hall security and maintenance on surplus radios.

Interoperability:

1. FDLE and Region 2 DSTF are conducting a demonstration and exercise with the RDSTF Interoperable communications equipment. Set up is 2-08-07 at Pat Thomas Law Enforcement Academy. The demonstration and operation runs 2-12-07 thru 2-15-07

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Monthly Status Report for the 800 MHz System

February 8, 2007

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Security:

1. We have detected another security breach at the Blockers site. The south most gate chain was cut and the gate left open. We have requested additional patrol and security from TPD and LCSO.

Rebanding:

1. 800 MHZ Rebanding, required by the Federal Government, is proceeding very slowly. I will attend an Associated Public Safety Communications Officers (APCO) conference in Orlando 2-12-07 thru 2-15-07.
2. One of the primary topics will be rebanding.
3. We are scheduling meetings with our rebanding legal, our Consultant, and Sprint negotiator on 2-14 and 2-15 to resolve our disagreements and move forward.

Options:

1. Approve the February 2007 Status Report for the 800 MHz System.
2. Approve the use of City Hall security and maintenance on 800 MHz surplus radios.
3. Do not approve the February 2007 Status Report for the 800 MHz System.
4. Do not approve the use of City Hall security and maintenance on surplus radios.
5. Board Direction.

Recommendations:

Options #1 and #2

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Joint Dispatch Consolidation Project Status – 2/8/07

Project Work Plan	12/5/06 to 1/12/07	1/12/07 to 2/23/07	2/23/07 to 3/16/07	3/16/07 to 3/30/07
<p>DELIVERABLE I</p> <p>A written report that documents the interviews with the PSCB members, TSC members, and any other City and County administrators.</p>	Completed			
<p>DELIVERABLE II</p> <p>Provide analysis and a report on current dispatch operations including 1) staffing levels 2) dispatch protocols 3) services provided, 4) technical systems used, and 5) any other components as detailed in the RFP.</p>		On Schedule		
<p>DELIVERABLE III</p> <p>Prepare and deliver a Draft report covering the recommended implementation plan with estimated costs.</p>				
<p>DELIVERABLE IV</p> <p>Incorporate feedback, deliver the Final report, and provide a presentation to the PSCB.</p>				



Memorandum

To: Parwez Alam, County Administrator
Anita Favors Thompson, City Manager
John Proctor, Interim Chief of Tallahassee Police Department
Sheriff Larry Campbell
Cindy Dick, Chief of Tallahassee Fire Department
Tom Quillin, Chief of Emergency Medical Services

From: Public Safety Communications Board Technical Sub Committee

Date: 2/6/2007

Re: Technical Sub Committee Recommended Changes to the Radio Communications Request for Proposals

Background

At the January 11, 2007 PSCB meeting the Board approved the following approach relating to the selection of a radio communications system:

1. Issue an RFP for an APCO Project 25 Phase I 800 MHz System
2. Direct the following sole source options also be conducted:
 - a. A formal letter will be sent to MA/COM with criterion established for capacity, coverage and subscriber units and a request for a proposal to become a part of the State Law Enforcement Radio System (SLERS).
 - b. A formal letter will be issued to Motorola to provide a proposal to install an analog upgrade to the current existing system.
 - c. A formal letter will be issued to Motorola to provide a proposal for a digital upgrade to the current system. This upgrade would only upgrade Public Safety infrastructure and subscribers.

Analysis

Subsequently it has come to the attention of the Technical Sub Committee that additional vendors can meet the requirements for the partial digital upgrade that was previously being sole sourced to Motorola. As a result, the Technical Sub Committee met and sought input from Tusa Consulting regarding this new information. If the PSCB wishes to continue to consider the partial digital upgrade including a new tower at the Myers Park site (but would retain the analog system for a period of time for non- public safety users) then a separate set of criteria to evaluate this option would be required. As a result of this possible change, the following are a series of recommendations that the PSCB may wish to consider:

1. Issue the P25 RFP, send a letter to Motorola regarding the analog upgrade and send a letter to MA/COM regarding SLERS. In addition, direct the consultant working with the TSC to develop the specifications for a split analog/digital system and issue a separate

- RFP as soon as possible. This would result in bids being received for the two RFPs at differing times.
2. Issue the P25 RFP, send a letter to Motorola regarding the analog upgrade and send a letter to MA/COM regarding SLERS. In addition, direct the consultant working with the TSC to develop the specifications for a split analog/digital system and issue a separate RFP at the same time as the P25 RFP. This would result in all bids being received at the same time.
 3. Issue the P25 RFP, send a letter to Motorola regarding the analog upgrade and send a letter to MA/COM regarding SLERS. Do not consider the partial digital/analog upgrade at this time.
 4. Issue only the P25 RFP.

In addition, the Technical Sub Committee finalized a list of all schools and 30 critical buildings (Attachment #1) for inclusion in the RFP for mandatory (defined as 95%) in-building coverage. It must be noted that this list does not cover all buildings within Leon County. The consultant recommended that a building list be limited to 100 buildings as a maximum amount for analysis and proposal planning by vendors. After selection of the vendor, a secondary list of additional major buildings will be defined to develop a more comprehensive plan to provide improved communications coverage in the future. This is to ensure considerations of enhanced safety for Public Safety personnel.

At the last PSCB meeting, the PSCB authorized the TSC to make any minor changes necessary to the RFP. Attachment #2 is an e-mail discussing the changes that have been made to the RFP. Other minor typographical and purchasing related issues have also been made but were not tracked specifically and therefore have not been provided.

Options: (Depending upon which options are selected, direction needs to be provided regarding when the RFP(s) should be issued).

1. Issue an RFP for an APCO Project 25 Phase I 800 MHz System.
2. Direct a formal letter will be sent to MA/COM with criterion established for capacity, coverage and subscriber units and a request for a proposal to become a part of the State Law Enforcement Radio System (SLERS).
3. Direct a formal letter will be issued to Motorola to provide a proposal to install an analog upgrade to the current existing system.
4. Direct the TSC working with the consultant develop specifications for a split digital/analog system upgrade (including a tower at the Myers Park site) and issue a separate RFP.

Attachments:

1. Mandatory Building List
2. E-mail from Chief Quillan

CRITICAL BUILDING LIST FOR TALLAHASSEE/LEON COUNTYSCHOOL BUILDINGS:

1	APALACHEE ELEMENTARY SCHOOL	650 TROJAN TRAIL	32311
2	ASTORIA PARK ELEMENTARY SCHOOL	2465 ATLAS RD	32303
3	BUCK LAKE ELEMENTARY SCHOOL	1600 PEDRICK RD	32317
4	CHAIRES ELEMENTARY SCHOOL	4774 CHAIRES CROSS RD	32317
5	DESOTO TRAIL ELEMENTARY SCHOOL	2930 VELDA DAIRY RD	32309
6	FT BRADEN K-8 SCHOOL	15100 BLOUNTSTOWN HWY	32310
7	GILCHRIST ELEMENTARY SCHOOL	1301 TIMBERLANE RD	32312
8	HARTSFIELD ELEMENTARY SCHOOL	1414 CHOWKEEBIN NENE	32301
9	HAWKS RISE ELEMENTARY SCHOOL	205 MEADOW RIDGE RD	32312
10	KILLEARN LAKES ELEMENTARY	8037 DEERLAKE DR E	32312
11	W T MOORE ELEMENTARY SCHOOL	1706 DEMPSEY MAYO RD	32308
12	OAK RIDGE ELEMENTARY SCHOOL	4530 SHELFER RD	32305
13	PINEVIEW ELEMENTARY	2230 LAKE BRADFORD RD	32310
14	JOHN G RILEY ELEMENTARY SCHOOL	1400 INDIANA ST	32304
15	LILLIAN RUEDIGER ELEMENTARY SCHOOL	526 W 10TH AVE	32303
16	SABAL PALM ELEMENTARY SCHOOL	2813 RIDGEWAY ST	32310
17	SEALEY MEMORIAL ELEMENTARY SCHOOL	2815 ALLEN RD	32312
18	SPRINGWOOD ELEMENTARY SCHOOL	3801 FRED GEORGE RD	32303
19	KATE SULLIVAN ELEMENTARY SCHOOL	927 MICCOSUKEE RD	32308
20	BOND ELEMENTARY SCHOOL	2204 SAXON ST	32310
21	WOODVILLE ELEMENTARY SCHOOL	9373 WOODVILLE HWY	32305
22	BELLE VUE MIDDLE SCHOOL	2214 BELLE VUE WAY	32304
23	ELIZABETH COBB MIDDLE SCHOOL	915 HILLCREST ST	32308
24	DEERLAKE MIDDLE SCHOOL	9902 DEERLAKE W	32312
25	FAIRVIEW MIDDLE SCHOOL	3415 ZILLAH RD	32305
26	GRIFFIN MIDDLE SCHOOL	800 ALABAMA ST	32304
27	NIMS MIDDLE SCHOOL	723 W ORANGE AVE	32310
28	AUGUSTA RAA MIDDLE SCHOOL	401 W THARPE ST	32303
29	SWIFT CREEK MIDDLE SCHOOL	2100 PEDRICK RD	32317
30	AMOS P GODBY HIGH SCHOOL	1717 W THARPE ST	32303
31	LEON HIGH SCHOOL	550 E TENNESSEE ST	32308
32	LINCOLN HIGH SCHOOL	3838 TROJAN TRAIL	32311
33	RICKARDS HIGH SCHOOL	3013 JIM LEE RD	32301
34	GRETCHEN EVERHART TRAINABLE CENTER	2750 MISSION RD	32304
35	SCHOOL FOR APPLIED INDIVIDUAL LEARNING	725 N MACOMB ST	32303
36	CANOPY OAKS ELEMENTARY SCHOOL	3250 POINT VIEW DR	32303
37	LAWTON M CHILES HIGH SCHOOL	7200 LAWTON CHILES LN	32312
38	MACLAY SCHOOL	3737 N MERIDIAN RD	32312
39	HOLY COMFORTER EPISCOPAL SCHOOL	2100 FLEISCHMANN RD	32308
40	NORTH FLORIDA CHRISTIAN SCHOOL	3000 MERIDIAN RD	32312
41	TRINITY CATHOLIC SCHOOL	706 E BREVARD ST	32308
42	ATLANTIS ACADEMY OF TALLAHASSEE	1500 MICCOSUKEE RD	32308
43	BETTON HILLS PREPARATORY SCHOOL	2205 THOMASVILLE RD	32308
44	COMMUNITY CHRISTIAN	4859 KERRY FOREST PKWY	32309
45	BETTON HILLS PREPARATORY PRESCHOOL CENTER	1815 N MERIDIAN RD	32303
46	EPIPHANY LUTHERAN	8300 DEERLAKE W	32312
47	GRASSROOTS FREE SCHOOL	2458 GRASSROOTS WAY	32311
48	MAGNOLIA SCHOOL	2705 W THARPE ST	32303
49	MARANATHA CHRISTIAN ACADEMY	2532 W THARPE ST	32303
50	METROPOLITAN CHRISTIAN ACADEMY OF THE AR	2555 N MONROE ST	32303
51	ADVENTIST CHRISTIAN ACADEMY	618 CAPITAL CIR NE	32301
52	WOODLAND HALL ACADEMY	5746 CENTERVILLE RD	32309
53	LIVELY TECHNICAL SCHOOL	500 N APPELYARD DR	32304

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CRITICAL BUILDING LIST FOR TALLAHASSEE/LEON COUNTY

SCHOOL BUILDINGS CONTINUED:

54 ADULT & COMMUNITY EDUCATION	283 TROJAN TRAIL	32311
55 PACE SECONDARY SCHOOL	3413 ZILLAH RD	32305
56 SECOND SCHANCE SCHOOL	2600 PLANT ST	32304
57 FAMU DEVELOPMENTAL RESEARCH SCHOOL	507 GAMBLE ST	32307
58 ROBERTS ELEMENTARY SCHOOL	5777 CENTERVILLE RD	32309
59 FLORIDA STATE UNIVERSITY SCHOOLS	3000 SCHOOL HOUSE RD	32311
60 JOHN PAUL II CATHOLIC HIGHSCHOOL	5100 TERREBONE DR	32311
61 CK STEELE-LEROY COLLINS CHARTER MS	428 W TENNESSEE ST	32301
62 BETHEL CHRISTIAN ACADEMY	306 W CAROLINA ST	32301
63 ACADEMIC RESOURCE CENTER	526 N APPELYARD DR	32304
64 ACADEMY OF ACADEMICS & TECHNOLOGY	480 N APPELYARD DR	32304
65 ARTS & SCIENCES CHARTER SCHOOL	3208 THOMASVILLE RD	32308
66 ALTERNATIVE LEARNING CENTER	860 BLOUNTSTOWN HWY	32304
67 SEMINOLE MONTESSORI SCHOOL	2211 THOMASVILLE RD	32308
68 CORNERSTONE LEARNING COMMUNITY	2524 HARTSFIELD RD	32303
69 SAKKARA YOUTH INSTITUTE	1209 PAUL RUSSELL RD	32301
70 RISE INSTITUTE	1375 CROSS CREEK CIR	32301
71 TALLAHASSEE COMMUNITY COLLEGE	444 APPELYARD DR	32304

OTHER BUILDINGS:

1 Capital Complex	400 S Monroe St	32301
2 Tallahassee City Hall	300 S Adams St	32301
3 Leon County Couthouse	301 S Monroe St	32301
5 Leon County Jail	535 S Appleyard Dr	32304
5 Leon County Sheriff's Office	2825 Municipal Way	32304
6 State EOC	2585 Shumard Oak Blvd	32311
7 Civic Center	505 W Pensacola St	32301
8 Doak Campbell Stadium		32306
9 Bragg Stadium	1601 Perry St	32307
10 Tallahassee Mall	2415 N Monroe St	32303
11 Governor's Square Mall	1500 Apalachee Pkwy	32301
12 Capital Regional Hospital ER	2626 Capital Medical Blvd	32308
13 Tallahassee Memorial ER	1444 Miccosukee Rd	32303
14 Apalachee Center - PATH	2634 - B Capital Circle NE	32308
15 Juvenile Assessment Center	536 S Appleyard Dr	32304
16 Fisher Building - FSU		32306
17 Keen Building - FSU		32306
18 Nuclear Building - FSU		32306
19 FAMU Science Building	333 W Pershing St	32301
20 National High Magnetic Lab Complex	1800 E Paul Dirac Dr	32310
21 FDLE HQ Complex	2231 Phillips Rd	32308
22 Tallahassee Airport	3300 Capital Circle SW	32310
23 Colonnade Apartments	1615 Stuckey Ave	32310
24 Griffin Heights Apartments	1010 Basin St	32304
25 Leon Arms Apartments	2502 Holton St	32310
26 Orange Avenue Apartments	2545 Brighton Rd	32301
27 Sunrise Place Apartments	2525 Texas St	32301
28 The Commons Apartments	1325 W Tharpe St	32303
29 Village on Tharpe Apartments	1505 W Tharpe St	32303
30 Springfield Apartments	1700 Joe Louis St	32304

From: Alan Rosenzweig
To: Long, Cristina
Date: 2/6/2007 3:25:21 PM
Subject: Fwd: FW: 800 MHZ Radio Network RFP

Attachment for TSC item with critical building list

>>> "DeLoach, Don" <DeLoachD@talgov.com> 02/06/07 2:42 PM >>>
fyi

-----Original Message-----

From: Tom Quillin [mailto:quillint@leoncountyfl.gov]
Sent: Friday, January 12, 2007 10:37 AM
To: DeLoach, Don
Cc: Abrams, Chad; Kemp, Malcolm; Rosenzweig, Alan
Subject: 800 MHZ Radio Network RFP

Don:

Thanks for the opportunity to review the draft of the RFP and request the following modifications.

- 1) Section 8.0 Page 2 of 14 - in the paragraph regarding the TFD VHF alerting system, this paging system for alerting the fire stations is also the means of alerting the VFD members over their individual pagers.
- 2) In the User Interviews section of the Tusa report on page 19 of 35 in the first paragraph 4.4 Capacity last line - change "TMC" to TMH.
- 3) Section 4.5 Voice Functionality, 2nd paragraph - we desire on-scene operability not only with TFD and TPD, but LCSO as well. Please add this to the paragraph in those 2 places at the end of the first sentence and at the end of the last sentence.
- 4) Section 4.5 Voice Functionality - third paragraph - please change "NOMAD" to RescueNet.
- 5) Section 4.5 Voice Functionality - 4 th paragraph - we have recently changed paging vendors and now use USA Mobility, which is a national paging service vendor not affected by Hurricane Katrina.
- 6) Section 4.5 Voice Functionality - paragraph 5, page 20 of 35 - we believe we have solved most of our problems with First Communications within the past several months
- 7) Section 4.7 Interoperability - paragraph 2, page 20 of 35 - last paragraph, next to last sentence should read "Air transport is provided by LifeNet and AirMedic using a fleet of 3 helicopters.
- 8) Section 4.9 Maintenance/Service - paragraph 1 and 2, page 20 and 21 of 35 - we believe we have solved most of our problems with First Communications within the past several months
- 9) Section 4.6 - we believe there should be some discussion in the

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Attachment # 2
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section about our AVL system which we have implemented and has been a great addition to our service.

Thanks!
TQ

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Memorandum

To: Parwez Alam, County Administrator
Anita Favors Thompson, City Manager
John Proctor, Interim Chief of Tallahassee Police Department
Sheriff Larry Campbell
Cindy Dick, Chief of Tallahassee Fire Department
Tom Quillin, Chief of Emergency Management Services

From: Don DeLoach, Chief Information Systems Officer

Date: February 8, 2007

Re: Procurement Update

The PSCB Technical Sub Committee and Tusa Consulting have been working together to design a Request for Proposal to upgrade our current Simulcast Analog 800MHz System. The RFP is technically complete. During the City Procurement review of the RFP, Procurement noted that we must have evaluation criterion identified and defined in the RFP that will be released. In order to meet this requirement, my recommendation is to have the Consultant (Nick Tusa) evaluate the RFP responses using the criteria defined in Section 1.2.2.10 of the RFP. Change the defined criterion from % to points and add our MBE and Charitable Contributions Points. The consultant would then present his ranking to the Technical Sub Committee, who would then by majority vote act on Tusa's recommendation. In order to give this process some clarity, it is important for each member of the PSCB to designate one individual as the voting member of the Technical Sub Committee (TSC).

MEMORANDUM

DATE: February 8, 2007

TO: Parwez Alam, Chair
Anita R. Favors Thompson, Vice Chair
Sheriff Larry Campbell
Chief Walter McNeil
Chief Cynthia Dick
Chief Tom Quillin

FROM: Site Selection Committee

SUBJECT: Site Selection Criteria for the Public Safety Communications Center

Background:

During the January 11, 2007 meeting, the PSCB was presented with two viable publicly owned locations for the Public Safety Communications Center. These two sites appeared to be the best locations out of the four publicly owned sites visited by the PSCB and staff during the December 19, 2006 land sites tour. The two publicly owned sites that appear to be viable locations are: Easterwood/Weems site and Miccosukee Road/Centerville Road/I-10 site.

After discussion, the PSCB then directed City and County staff to convene as the Site Selection Committee working with the Technical Subcommittee and the American Red Cross in order to develop the site selection criteria. The committee will use GIS software in order to identify other possible site locations.

Analysis:

Site Selection Criteria:

The Site Selection Committee has developed a list of evaluation criteria to use for the site selection process for the Public Safety Communications Center. The site selection criteria are based on the co-location of the Joint-dispatch Center, the Tallahassee Transportation Management Center, and the possible inclusion of an EOC (attachment #1).

The Site Selection Committee derived and prioritized the criteria based on discussions with the Transportation Management Center, the Technical Subcommittee, Leon County Sheriff's Office, Leon County Emergency Medical Services, Leon County Emergency Management, Tallahassee Police Department, Tallahassee Fire Department, the Capital Area Chapter of the American Red Cross, and consulting the Winbourne Costas' site selection criteria report (attachment #2).

The suggested criteria are divided into four categories: minimum requirements, heavily weighted, moderately weighted, and low level criteria. The first category, minimum requirements, represents the requirements that each possible site must meet in order to be considered as a candidate in the selection evaluation process. Any site not meeting all of the minimum requirements will not be considered as a candidate. The second category, heavily

weighted criteria, represents the site requirements that are the most important to the successful operation and performance of the combined center. This includes the day-to-day operation and emergency activity. These criteria will be the heaviest weighted factors in the evaluation process. The third and fourth categories represent criteria that would be weighted at a moderate and low level but should be researched, evaluated, and factored into the site selection process.

General Vicinity Recommendations:

In order to recommend a general vicinity for the Public Safety Communications Center, the Site Selection Committee met with the Tallahassee Transportation Management Center, the Technical Subcommittee, Leon County Sheriff's Office, Leon County Emergency Medical Services, Leon County Emergency Management, Tallahassee Police Department, Tallahassee Fire Department, and the Capital Area Chapter of the American Red Cross. The focus of these discussions was to solicit operational input from the standpoint of both the day-to-day and emergency operations of the various groups that should be considered in the site evaluation process.

These entities have indicated that it would be advantageous to locate the Public Safety Communication Center on or near major arteries, including the I-10 corridor, US 90 and US 27 and Capital Circle. Due to the extent of tree cover in the community, these arteries would be the most likely to remain open during all but the most severe events and the first to re-opened subsequent to a catastrophic event. The facility and access roadways should not be located in flood zone areas. This requirement will eliminate sites in any low area. It will also eliminate sites in most parts of the county that are low in elevation due to potential flooding of access roads during a catastrophic storm. Areas that are free of flooding and flooded access problems tend to be in northern parts of the county.

Although not critical to the day-to-day operation, proximity to certain locations may become extremely important during catastrophic scenarios, such as Hurricane Andrew or Katrina. During these scenarios, communication systems may not be functioning properly, especially during rescue operations immediately following a storm.

Other essential services include major utilities that can be maintained during severe events. For example, electricity should be available from two different grids so that power can be switched without resorting to back-up generators during an outage. This is generally possible within the urban services area; each site must be evaluated individually in this regard.

The Technical Subcommittee and the Tallahassee Transportation Management Center stated that proximity to existing communication fiber is vital, due to the fact that it is the 'backbone' for the Traffic Management Control Center. Close proximity to existing hardened communications facilities is more economical, as additional fibers will have to be pulled from City Hall to the new site. The Tallahassee Transportation Management Center also mentioned that arterial access facilitates communication redundancy, which is desirable.

The Site Selection Committee recommends focusing the search in the area north of US 27, within the urban services area, and near major arterials. The site must be high and dry with flood free access, via major arteries and with access to multiple, redundant electrical and information system services. Proximity to other essential emergency respondents is beneficial. These criteria will bring forth the best potential sites for consideration and will ultimately result in an advantageous location for the Public Safety Communications Center.

Based on discussions with the Capital Red Cross and Tallahassee Transportation Management Center, the Easterwood/Weems site is a viable location that fulfills their requirements. For both of these entities, the Easterwood/Weems site provides an appropriate location for day to day and emergency operations; this site would have been seriously considered even if it was not in public ownership.

GIS Search:

As directed at the January 11, 2007 meeting, the Site Selection Committee conducted a GIS search to determine sites meeting the aforementioned criteria. Only four sites were located within the preferred area of north and east of US 27 and the urban service area boundary. The Site Selection Committee then expanded the search area, by omitting the US 27 dividing line, which resulted in 39 possible site locations within the entire urban services area.

The next step beyond selecting locations for further evaluation would be to perform on-site inspections to determine site suitability for development. The estimated costs for on-site inspections are in the range of \$15-\$25K per site, depending upon the actual conditions that could be encountered. Detailed exams, including environmental and soil assessment, property appraisals, etc, could take 2-3 months to perform at each site.

Issues for Consideration:

In order to keep the site selection process moving forward, the PSCB may wish to consider the following:

1. Evaluate the two publicly owned sites, Easterwood/Weems site and Miccosukee Road/Centerville Road/I-10 site.
2. Evaluate only the Easterwood/Weems site.
3. Determine if privately owned lands will be considered for the siting of the Public Safety Communications Center. If so, create a request for proposals for the site location of the Center.
4. Consider directing staff to proceed with issuing a Request for Proposal (RFP) for architectural services for the design of the facility. The intent is to parallel the site selection process and architectural services selection as opposed to proceeding in a linear fashion. This approach would reduce the overall amount of time required to complete the project.
5. Seek a formal commitment from the Red Cross to co-locate with the Public Safety Communications Center.

Site Selection Criteria for the Public Safety Communications Center

February 8, 2007

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Attachments:

1. Site Evaluation Criteria
2. Winbourne and Costas, Inc: Public Safety Communications Center Site Selection Criteria

Joint Dispatch Site Evaluation Matrix

Minimum Requirements:

- Generally a NE location in County (less risk)
- Site area or size (minimum area plus growth)
- Developable configuration
- Outside of any flood zone or wetlands (site & access)
- Compatible or modifiable land use & zoning
- Within urban services area boundary

Heavily Weighted Criteria:

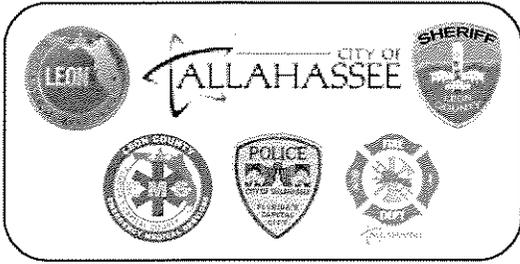
- Accessibility to major transportation routes which is free of possible tree obstructions and flooding.
- Availability of protected and redundant utilities:
 - Natural gas
 - Electrical power
 - Sewer
 - Water
- Availability of protected and/or redundant communications systems.
- Hazard/threat assessment
- Cost of property & acquisition
- Employee support services

Moderately Weighted Criteria:

- Elevation (radio transmission)
- Topography
- Easements
- Soil conditions
- Stormwater management options
- Site contamination issues
- Concurrency requirements
- Compatibility of adjacent land uses
- Site vegetation & tree cover
- Adjacent property use potential (tangible use of surrounding property)
- Adjacent land use impacts to operation (distribution of radio transmission/increased wind speed)
- Stand-off distance from a major water body
- Access to support elements (State EOC, Jail, City Hall, Courthouse, Public Works, Supply Distribution Points)

Lower Weighted Criteria:

- Public access (bus)
- Support Services: Fire, Police, EMS
- Public Visibility
- LEED/FGBC Certification
- Air access



Public Safety Communications Center Site Selection Criteria

February 2, 2007

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1.0 COMMUNICATIONS CENTER SITE CONSIDERATIONS

This report provides high level best practice Public Safety Answering Point (PSAP) site selection criteria to aid Leon County and the City of Tallahassee in the selection of a suitable site for the consolidated dispatch facility. Section One of this report addresses site selection criteria and Section Two references the Florida State Technology Office E-911 guidelines¹. In the event the facility is ultimately designed to incorporate EOC functionality, additional criteria is listed in Section 1.15.

This report is not a deliverable as required in the Joint Dispatch Consolidation Project RFP or our proposal. Per the RFP, in our final report we will:

Develop general recommendations for equipment and communications center facility requirements including a space needs assessment for square footage, personnel, office space, etc.
Staff Configurations: Based on our understanding of the call volumes, dispatch runs, and other factors specific to the County and City dispatch operations and protocols, we will prepare an operations floor layout based on the required number and types of consoles and technology configurations.
Other Personnel Factors: Our proposed solution will propose actions in other personnel areas such as quiet room, cafeteria/eating areas, lounges, and other personnel related facilities needs.

Public Safety Communications Centers need to be designed and constructed for worse case scenarios expected in the local region if they are to survive those worst case incidents. A secure facility equals service survivability.

1.1 Size

The site should be large enough to accommodate everyday employee parking, visitors, storage of specialized communications units (EOC vans), and staging of mutual aid support units during a multi-agency incident (EOC) and media parking/staging area. Possible re-zoning requirements will need to be considered. The communications center site should meet the following basic requirements:

The site should be large enough to accommodate the main communications center building, for a separate structure housing an emergency generator, and underground fuel storage. It should also allow an area for parking employee cars, special vehicles (mobile EOC), and other vehicles as may be necessary. The lot should be large enough to allow a sufficient set-back from structures on adjacent property that might present a collapse, fire or other hazard.

¹ Some of our recommendations in Section 1 were also contained in a Dispatch Monthly magazine posting.

1.2 Safety

The site should be free from potential hazards, such as overhead power transmission lines, freeway overpasses, trees, flooding from creeks or streams, earthquake faults, brush fires, vehicle off-road accidents, underground conduits carrying telecommunications, electricity, petroleum product, water, sewer, etc.

1.3 Access

The site should be centrally located so all City/County agencies have short driving times to the center and can support the missions of the center. It should be available to one or more major freeways or state highways. The roads leading to the center should be free of major potential obstructions in time of hurricanes or other natural disaster, including over/underpasses, overhead power lines, and street light supports. Proximity to local bus or other transportation is a plus.

1.4 Communications

The site should have current or easily-installed access to communications links, including the public telephone system, existing City/County and municipal radio links, microwave towers, etc. The site should not be obscured by hills or mountains so that future communications wireless links can be installed. Site consideration should be given to the ease of accessing multiple communications links to insure redundancy.

Communications antennas must meet high wind load requirements (state the Federal and State requirements if necessary), have its own emergency generator (not tied to the building unit) and own fuel supply. It will need to be offset sufficiently to not interfere with helicopter flight operations or cause frequency interference per FCC and APCO frequency management standards.

1.5 Future Growth

The site should be sized and arranged to allow future additions to the building should new requirements arise.

1.6 Utilities

The center should have easily installed access to the existing public telephone system, water lines, power lines, and a sanitary sewer. There should be diverse and redundant electrical feeds to the building.

The utilities should be arranged to enter the building in a place and method that will not create a hazard during any natural disaster or the failure of any utility supporting structure. Consideration should be given to providing dual (or more) paths for electrical and telephone links (preferably from 2 central offices) to the center, from multiple sub-stations or central offices. The cost of meeting this requirement is a factor also.

Utilities should enter the building and be otherwise arranged to prevent any water leak or electrical incident from physically affecting the building. That is, a water main break, electrical short or fire would not impinge upon the building or any of its critical systems.

The building's critical electrical needs should be supplied through an uninterruptible power supply (UPS), which is capable of providing enough power to keep those functions operating for at least 15 minutes. Per the Florida State Technology Office (STO) E-911 Plan, Part 3.4.1.1, B,

Each 9-1-1 (center) shall have a battery powered Uninterruptible Power Supply (UPS) with sufficient capacity to maintain the PSAP equipment until the motor generator stabilizes. No calls shall be lost during the transition to the UPS.

The building's critical and necessary electrical needs should be supplemented with a generator powered by an appropriate fuel (propane, natural gas, diesel, etc.), which is capable of providing power for at least 8 hours. The fuel tank should be located in an area so as not to endanger the building or dispatch area if a leak or other dangerous situation occurs, and in an area easily accessible by a fuel truck under all weather conditions.

The site should be designed with large conduits for sewer water that may need to be rerouted.

1.7 Parking

The site should be large enough to accommodate everyday employee parking, visitors, storage of specialized communications units (EOC vans), and staging of mutual aid support units during a multi-agency incident.

1.8 Furnishings and Furniture

The furniture should take into consideration durability, safety, ergonomics and appearance. The arrangement of the furniture in the office area should emphasize functionality, ease of communications and mirror the natural contacts that may be necessary between the various job positions.

The arrangement of furniture in the communications center area should take into consideration:

- necessity to communicate visually and verbally between dispatchers
- isolation of noise between adjacent positions
- adjacency to paper files or other reference sources
- adjacency to dispatching equipment
- glare from window or other openings
- communications center area traffic patterns
- other building traffic patterns

1.9 Security

The following security features should be considered:

1.9.1 Site

The site should be fenced to prevent unauthorized persons from approaching the building. The fence should be sufficiently distant from the building that objects cannot be thrown near or onto the building.

The building and landscape design should not create any hiding or blind spots where persons or vehicles are obscured from anyone inside the building, or by the building video surveillance system.

The exterior of the building should be surveilled by one or more video cameras showing at least the fence gate and exterior doors of the building.

There should be no signs visible from the street indicating the building's use as a communications center.

Consideration should be given to constructing an earthen berm between the building and any adjacent public street, to prevent persons from firing any projectile at the building, either from a moving vehicle or from a remote location.

The costs of preparing the site, when compared to other alternatives are a consideration. If extensive site prep is required, it will affect the cost of the project.

There should be sufficient lighting around the building exterior to allow viewing of unauthorized persons on the site and at the building doors.

There should be sufficient clearance from the building and any adjacent structures capable of radiating or spreading fire, from trees that might fall or spread fire, or any other structure that could cause damage to the center. Any associated antenna towers or structures should be located at a safe distance from the center building, so collapse of any structure would not strike the communications building.

Proximity to railroad tracks and highways or roads or other commercial/government operations where there is a potential for hazardous material incidents that would effect the operation of the center is a concern. This must be considered with respect to site accessibility as well.

Zoning laws and variances need be addressed. Construction of towers, noise and other factors may elicit citizen concern and "NIMBY" (not in my backyard) responses.

1.9.2 Building

Access to the building should be controlled by a computer-controlled, keyless security system.

The system should allow immediate, on-site changes to the list of authorized users, including activation, deactivation and password/number changes. The system should record all access activity, along with the date, time, user and door ID.

All openings in the exterior wall should not face directly into working areas of the building, unless they are protected from projectile damage or puncture.

Consideration should be given to protecting any exposure (window, door, fan opening, etc.) from fires in adjacent buildings, brush or trees. Metal fire shutters, sprinklers or other appropriate protection should be provided if such exposures exist.

The public entryway should be designed to provide physical protection for the receptionist and to prevent visitors from leaving the reception area without authorization.

1.9.3 Interior

The interior doors to the communications center area, the computer room, telephone equipment room and other sensitive areas should be protected by a keyless access system. The security system should allow an alarm to be sounded at a remote location during certain periods, when a specific person enters the room, or when other conditions are met.

1.9.4 Computer Systems

All computer systems used in the building should be housed in secure areas not accessible to the public.

All computer links leading out of the building should terminate at a secure location (firehouse, other communications center, etc.). Consideration should be given to requiring all modem links to the computers system to be activated only upon request (trouble-shooting by CAD support, etc.), and then only for the duration of the work performed. At other times, the modem is physically unplugged from the telephone line.

Per the Florida State Technology Office (STO) E-911 Plan, Part 3.4.1.1,

M. Each PSAP shall have sufficient building security to minimize the possibility of intentional disruption of operations. All 9-1-1 processing and control equipment shall be in a locked, environmentally conditioned area accessible only to authorized personnel. Answering equipment shall be accessible only to PSAP personnel.

N. Specific building security inspection criteria is included in Section 7.3.1. All exposed 9-1-1 circuit facilities serving the 9-1-1 PSAP shall be protected and internally marked to prevent accidental damage or tampering. The criteria for establishing sufficient protection is included in Section 7.3.1. Diverse routing of 9-1-1 trunks is strongly recommended.

1.9.5 Fire/Other

The communications center shall at least meet all applicable fire code requirements for the jurisdiction in which the center is built. Consideration should be given to meeting the requirements of the national Uniform Fire Code. The communications center shall meet all applicable building codes for the city in which the center is built. Consideration should be given

to meeting applicable standards for fire alarm centers promulgated by the National Fire Protection Association (NFPA 1221).

Wall coverings, furnishings and carpet shall be of a type and design to minimize their fire danger and their generation of products of combustion.

The computer areas of the center shall be protected by a fixed Halon sprinkler system.

The electrical system of the center shall be arranged to allow shutting off the power to the smallest possible area of the building. The dispatch area of the building shall be served by at least two circuit breakers to allow selective control of the power in case of emergency or maintenance.

1.10 Building Layout

The building should be arranged so the dispatching area is not adjacent to any exterior wall of the building unless the structure (walls, windows, etc.) are sufficiently reinforced to protect against outside threats (rocks, bullets, vehicle entry, etc.).

The building should contain the following areas: reception area for outside visitors, administrative offices, employee locker room, break room, conference/meeting room, training room, dispatch area, storage rooms, computer room, emergency operations room.

The dispatching area, supervisors' officer and training room should be arranged so they are as close as possible to the computer room, so that cabling runs are minimized.

The bathrooms, break and other areas that have plumbing should be arranged so there is no possibility that spills, leaks or other water problems could flood or damage the dispatching area or computer room, including floor drains, scuppers or other features.

The training room should be located so that it may be used for live dispatching or an EOC during extraordinary incidents.

Consideration should be given to the placement of the dispatch area, computer room and electrical service to minimize the routing of cables and power lines. Consideration should also be given to how cables and wires should be routed into the dispatch area: via a raised floor, raceways or overhead.

1.11 Lighting

Center lighting circuitry should be arranged to prevent a lighting failure to any large area of the building.

Lighting in all areas of the building shall conform to any national standard levels for office areas.

There should be overall and individual console lighting in the dispatching area. The console lighting should individually controllable at each console. Consideration should be given to

incandescent lighting for the console areas. Overall lighting should be arranged to minimize glare on video display terminals.

Consideration should be given to the placement of terminals and windows to reduce the amount of glare on the video terminals, or bright window light directly behind the video terminals.

1.12 Air Conditioning

The building air conditioning system should be arranged to provide a sufficient flow of fresh--not recirculated--air to the dispatch area, to filter the air to remove possible contaminants including pollen, mold, dust and mildew, and to reduce drafts on employees. Temperature control should be available to authorized personnel, but the range should be limited so it always provides sufficient cooling for electronic equipment in the building.

Consideration should be given to installing an electronic filtering system for that portion of the air conditioning system that serves the dispatch area, in order to further filter contaminants from the air. Consideration should be given to a positive pressure air system that keeps outside contaminants out.

1.13 Sound Control

The dispatch area should have some method of sound control for reducing the volume of noise, echoes and other unwanted artifacts. Methods include acoustic tiles, carpets, wall curtains or other coverings.

1.14 Standards Applicable to Public Safety Communications Centers

FEMA Publication 361, Design and Construction Guidance for Community Shelters, is a guidance manual for engineers, architects, building officials, and prospective shelter owners. It presents important information about the design and construction of community shelters that will provide protection during tornado and hurricane events.

<http://www.fema.gov/fima/fema361.shtm>

1.15 Additional Site Requirements if EOC is On-Site

If an EOC is on-site it should also provide an area for additional special vehicles (mobile EOC), and other vehicles and temporary structures required during a disaster (tents, shelters, helicopter landing zone, etc.).

A helicopter pad should be designed which is sufficiently large enough and clear of obstructions to handle at a minimum 2 helicopters and may be expanded to handle up to 4 helicopters. The value is that emergency center support functions during a disaster may need areas where they pick up key personnel that is adjacent to the EOC and Public Safety center, federal assets that arrive may need to have an adjacent landing zone for support, or for law enforcement/life flight support.

2.0 FLORIDA STATE TECHNOLOGY OFFICE E-911 GUIDELINES

The management of a countywide 9-1-1 emergency telephone system is an important function, and the 9-1-1 coordinator plays a vital role in assuring that all facets of the 9-1-1 system work effectively together. The 911 coordinator for Leon County is the Leon County Emergency Manager. Section 4.2 of the Florida State Technology Office (STO) E-911 Plan outlines the 911 coordinator's roles and responsibilities.

The STO has established a formal inspection program for new 911 systems. Although the current 911 system will be utilized some of the inspection items are relevant to facility planning and development for the new Center. The Florida STO E-911 Plan can provide guidance to the Department of Facilities Management during the design phase of the new Center.

3.0 ADDITIONAL CONSIDERTIONS

Upon reviewing the Joint Dispatch Site Evaluation Matrix distributed by the Leon County, Construction Manager, Mr. Carl Morgan on January 25, 2007, we have identified the below additional considerations that should be evaluated to ensure accurate site sizing.

1. Facility Survivability Level

Overall Design: This facility should be designed to withstand/mitigate the effects of a major disaster, such as a Category 5 hurricane, flood, earthquake or bomb blast.

Bomb Blast Mitigation: To address a stationary exterior vehicle bomb, design for a specific poundage of TNT in combination with a building stand off distance. For instance New York City, PSAP plans for one thousand (1,000) lbs. of TNT (minimum) at a standoff distance of one hundred feet (100') from the building façade (structure

Package delivery/receipt: To address medium and large size packages in which the aggressor conceals bombs or other hazardous materials and delivers them to supply and material handling points such as the loading dock or a separate mail handling point should be considered. In each case the facility design should accommodate the potential force of an explosion such as design one hundred (100) lbs. of TNT.

Loading Dock: Consider designing the loading dock as external to the primary PSAP building in order to mitigate the affect of any bomb blast from a vehicle at the loading dock.

2. Building Footprint

Stacking Diagram: Consider what functions will need to be on what floor, or adjacent to each other in the floor plan. Consider the total square footage of the building footprint which is based on the operations to be performed in the building (911 and EOC?) space needs for the operations floor, other personnel areas, internal security and circulation requirements, etc.

3. Exterior Facility Areas

Parking: Need to consider the number of parking spaces for both employee and visitor parking areas, employee/visitor access and entrances. Also, consider additional parking to accommodate for surge requirements for staffing the EOC during activation.

Internal site road system: In addition, the internal roads into and around the site will add more acreage requirements for instance for delivery trucks to the loading dock area.

Radio: Radio tower placement adjacent to the facility will need to be considered, requiring additional space as well as conduit to the PSAP. Area around tower will need to be protected as well.

Generators: Consider placing the emergency generator and utility systems away from high threat areas such as loading docks, entrances, and parking and these areas should be protected.

Security access point: Consider designing the site to include a separate security access point for the facility. All parkers and delivery trucks will need to pass by/through this building which is outside the 100 foot standoff distance from PSAP.