Grant Application

General Information

Grant Project Title	Graham County 911 Relocation and Technology Refresh
Grant Fiscal Year	2016
Project Director	Graham County 911 Communications Director
Project Contact	Misty Hembree
Title	Graham County 911 Communications Director
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Grant Program	E-911 Enhancement/Replacement
Grant Type	Regional Initiative Enhancement/Replacement
PSAP Applicant, Based upon Grant Type	Graham County 911

Project Description

Required for all grant types, this should be a thorough, concise, and complete description of the proposed project.

Please outline project goals and objectives.

Graham County 911 has two goals that they desire to accomplish through the aid provided by this Grant Program. The overriding goal is to provide the citizens and visitors of Graham County, and the surrounding area, the best possible 911 service through the use of a properly designed and provisioned PSAP. An equally important goal is to become a contributing participant in the Regional PSAP Initiative, in cooperation with the PSAPs of Jackson and Swain Counties.
The objectives by which goal success will be defined include the following:
• Objective 1: Relocation from the current facility into a new, state of the art, 911 PSAP that is appropriately designed and equipped to meet both current and future needs, including applicable standards as defined by the NC 911 Board. This requires construction of a facility on land owned by the County (Lot 2 referenced in Appendix 1). The County has identified land that has potential to construct a 911 PSAP upon. This parcel is adjacent to the current PSAP facility. The County has received written commitment from Duke Energy to secure the relocation of electric utility services on or near the identified parcel. (See Appendix 2)
• Objective 2: Updating and/or replacing equipment and software to support emerging NG911 technologies. Especially any equipment that has reached “end of life”, is not supported by vendors, or is technically outdated.
• Objective 3: Providing Mutual Support, Redundancy, and Continuity of Operations through participation in the Regional PSAP Initiative involving Jackson and Swain Counties.
• Objective 4: Provide the citizens and visitors of the Graham, Jackson and Swain County jurisdictions a 911 system that leverages the benefits offered by a regional partnership approach.

Graham County 911 Communications serves as Graham County’s only E911 Public Safety Answering Point. The Communications Center is located at 70 West Fort Hill Road, Robbinsville, NC. Graham County is amongst the most western of counties within the State of North Carolina, being adjacent to the following: Cherokee County, Macon County, Swain County, and Tennessee.

Dispatch functions are provided for various public safety agencies which operate in, or in cooperation with Graham County. These agencies include the following:
• Graham County EMS
• Graham County Fire (Station 1-Robbinsville, Station 2-Snowbird Fire, Station 3-Santeelah Fire, Station 4-Meadow Branch Fire)
• Stecoah Fire Department
• Graham County Rescue Squad
• Stecoah Rescue Squad
• Graham County Sheriff’s Office
• Cherokee Tribal Police
• U.S. Wildlife officers
• U.S. Forest Service officers
• Tennessee Valley Authority officers
• U.S. Park Service
• Graham County Emergency Management

As a part of their service, Graham County 911 Communications answers calls for service aiding the Town of Robbinsville, Town of Santeetlah, Stecoah Township, and the Town of Fontana Dam. The properties located inside of Graham County of the Eastern Branch of the Cherokee Nation, NC Forest Service, and US Forest Service is also serviced.

The community served by Graham County 911 Communications includes 8,736 residents according to the 2013 population estimate for Graham County as published by the United States Census Bureau. Age demographical information for Graham County (2013 estimate) indicates that the population is comprised of the following groups listed below. Other demographical information for Graham County indicates that the per capita income (2013 dollars) is approximately $19,780 as compared to North Carolina's per capita average of $25,284.
• Persons 5 years and under = 5.3%
• Persons 18 years and under = 21.3%
• Persons 65 and older = 21.6%
These age groups comprise 48.2 % of Graham County's population, and represent a significant amount of the population that may not be employed on a full-time basis. A recent report (March 20, 2015) published by the North Carolina Department of Commerce-Labor and Economic Analysis Division, indicates that the unemployment rate of Graham County ranks the highest of North Carolina's 100 counties at 14.5%. Graham County's workforce is reported to be 3,549 persons with 438 of these unemployed (Appendix 7).

Graham County 911 Communications' existing facility was never designed to support a 911 Public Safety Answering Point. The current facility shares building space with several County Public Safety departments (EMS, Fire, Addressing, Mapping, and Emergency Management). All of these departments co-exist in a building that was acquired by Graham County in 2007 from a telecommunications company. The building itself was constructed in the late 1970's or early 1980's. This building was used for manufacturing functions by the previous owner, and did not possess the infrastructure design of a data center, or any facility designed to support network functions that would be expected of such a facility. 911 Communications and Emergency Management operate from the space that was formerly the acquired building. (See Appendix 3)

Existing physical concerns within portion of the legacy facility that address matters of design include:
• Server Components are housed within two separate rooms due to space limitations in each room.
o One of these was designed for a bathroom, and was intended to serve E911 staff in that capacity. This room currently supports:
o Electrical panels and other electrical components for the entire complex
o Demarc connections are not properly placed
o County Information Technology hardware (routers, servers, switches, etc.)
o This Server Room's (both) environment encounters the following design challenges:
o Water lines overhead of equipment
o Water lines along the walls adjacent to equipment
o Sewer drain overflows into the room occasionally
o The other server room shares water line and limited space concerns
o Insufficient cooling capacity
• The Independent mini-split system freezes when temperatures are 35 degrees or lower (lack of insulation in facility walls contributes to issue)
• During summer months, the Server rooms experience excessive heat due to lack of insulation and the heat generated by equipment within the confined space
• Building design lacks sufficient insulation to allow for proper environmental control (in general).
• The building does not have electrical grounding and bonding to meet existing standards.
• Security for the 911 Center is severely insufficient, and does not meet accepted best practices, or industry standards.
o The general public routinely accesses the facility for various purposes. Access is easily gained to the interior of the building, and once inside, there are no measures to prevent unauthorized entry to the Communications Center.
• Vehicular access and egress is through one driveway that serves the entire complex. This includes emergency services apparatus, as their bays are located the furthest away from the driveway.
• Parking (employee and public) space is shared amongst all in one area. Available spaces are limited.
• The E911 Communications Center does not have sufficient space for existing or future needs.
o The Director does not have a dedicated office.
o Administrative, including Emergency Medical Dispatch Quality Assurance (EMD-QA), and Personnel Management activities occur within the Operations Room, or in the adjacent Conference room. In most cases, EMD-QA tasks are executed from the Dispatch Workstations, within view of employees and any visitors that may be in the same room.
o A dedicated room for Meetings or Training is not available.
o Conference room is shared amongst all service agencies operating within the complex. It is immediately adjacent to the 911 Dispatch room.
• Emergency Management, EMS, and Fire conduct training classes in this room.
o At times, E911 Communications management can utilize the Conference room for meeting or training activities, however frequent interruptions disturb the activities, making the use of the room less than desirable.
o 911 staff share restrooms with all agencies working in the facility.
o There is no space for a Day room, or sleeping areas for 911 staff. Should events require staff the need to rest or sleeping areas, they would utilize the Conference room, or EMS and/or Fire bunks if available.
o The existing space within the 911 Center's Dispatch room provides space for three (3) dispatch workstations.
o This limitation does not allow room for growth.
o This reduces Graham County 911Communications ability to support a regional initiative as they do not have space to host 911 staff from neighboring counties should the need exist.

After acquiring this building, Graham County added apparatus bays and support capacities to allow EMS and Fire services to co-exist at the same site. Sharing the same facility with Emergency Management, EMS, Mapping, and Fire services has brought about other concerns that impact the E911 Center's functionality.
• The only existing office space is being used to house other critical functions such as:
o County telephone system hardware
o County Back-up IT hardware
o 911 S-ALI Server
o UPS for E911 Communications

Please provide an implementation strategy and work plan, including a timeline.

The project will be comprised of two Phases, Grant Application and System Assessment (Phase 1), and upon award of a Grant, Facility Design/Construction and Technological Systems Design/Integration (Phase 2).
During Phase 1, Graham County 911 Communications, and Graham County, are receiving support from the Counties of Jackson and Swain, along with the support of Mission Critical Partners, Inc. (MCP), which was selected by Graham County in January 2015, to assist the County. During this Phase, the County will evaluate requirements for both a new facility, as well as requirements to ensure the best pathway toward allowing Graham County to successfully compliment the Regional PSAP model that Swain and Jackson Counties are currently implementing.
During Phase 2, Graham County, with the ongoing support of MCP, will initiate processes to ensure overall success. This process will utilize the following:
• Site evaluation and preparation
• Facility design and construction (including a Communications Tower)
• Technology systems design, procurement, installation, testing, and training.
o Functional testing between Graham County and Swain-Jackson Counties
• Transition Planning
• Commissioning
• Migration to the new facility
• Cutover
o Final Testing between the legacy and new Graham County facility, and Swain-Jackson Counties
o Cutover of Graham County to new facility
o Decommissioning of legacy facility
• Acceptance of facility and systems
• Project Close Out
The implementation strategy during this phase will continue to enlist the support of Swain and Jackson Counties, vendor support, and that of MCP, so as to ensure that the designed system framework provides the participating governments the desired outcome.

We anticipate that Phase 2 processes will require 24-30 months from the Phase 2 Kick Off date to complete.

Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

Having the knowledge gained by coordinating with Swain and Jackson Counties, and monitoring the development of the design which they deployed affords Graham County the ability to acquire compatible equipment and software. In so doing, we hope to avoid compatibility conflicts. Graham County will coordinate with vendors and network providers to create the necessary interfaces for Graham County to participate successfully within the same Regional PSAP Initiative as Swain and Jackson County.

Currently, Graham County 911 Communications utilizes Zetron's Max Solution radio equipment. During this project, this equipment is anticipated to be enhanced and expanded by updating to the latest version of the solution available, and by expanding radio channel capability to enable our PSAP to serve as a back-up for Swain County.

Additionally, our capabilities will be enhanced by adding additional workstations (administrative and dispatch) that will be outfitted with the necessary CPE equipment to process additional workload in support of Swain County, when needed, and to allow for expansion of internal operating capabilities during call overload circumstances. Both counties will operate from the same CPE platforms, which affords familiarity to end users, and eases system maintenance and upgrade management within the two PSAP's which propose to support one another.

Due to end-of-life of some of our CPE equipment, we anticipate minimal interface or compatibility issues during the migration process. We will be migrating to a new facility which will be equipped with new equipment, and decommissioning our legacy PSAP. Appropriate measures will be taken to ensure minimal interruption of service during the cut-over segment of the project.

Statement of Need

Required for all grant types, this statement should reference the relationship of the grant project to NCGS §62A-47(b),(c) and the current funding priorities established by the Grant Policy and Procedures and include evidence of any financial need.

Please indicate how your PSAP or group of PSAPs meets the statutory criterion of serving a rural or high cost area.

Graham County 911 Communications serves one of North Carolina's Tier 1 Counties. Statutory criterion as defined by G.S.53A-37 (5) and G.S.160-A-1(2) are supported by the "2015 County Development Tier Rankings" as published by NC Department of Commerce. The 2015 report indicates that Graham County is classified as a "Tier 1" Rural County under G.S. 143B-437.08 guidelines. The County has maintained this status since 2013. (See Appendix 8)
Furthermore, Graham County is designated as one of North Carolina's 85 Rural Counties (as published by The Rural Center, 2015 data). Our largest city within the county is Robbinsville, which has a population of 620 at the 2010 census. North Carolina's 2013 population estimate from the Office of State Budget and Management is 9,861,952, thus one percent (1%) of North Carolina's population equals 98,619. Beyond any doubt, Robbinsville's population is certainly less than 1% of the population of North Carolina.
Graham County is recognized by North Carolina Rural Economic Center as being classified as a Rural County as defined below
Rural: The Rural Center serves 85 of the state's counties. Of these, 80 have an average population density of 250 per square mile or less, as of the 2010 Census. Please refer to the following link for additional information www.ncruralcenter.org,

Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

Graham County government operates on a tight budget, and is partially due to the fact that approximately 78% of our land is federally owned (USFS) (Eastern Band of Cherokee Indian) and is non-taxable by our local government. Also due to the fact that our unemployment rate has significantly increased by the closing of Stanley Furniture Plant in August of 2014, our largest employer in the County until its closure, costing 400 jobs in the area. Working within these limitations does not make it feasible for Graham County to be in the position to fund this solution.
Even though these realities have to be taken into consideration, Graham County Government has recognized a need to update and refresh the county technology system, in an effort to look to the future to maintain our technology plan. The County has also identified the need for a local Urgent Care Facility to provide our citizens and visitors with an option for emergency medical care. The need for the Urgent Care Facility further reduces available funding at the County level to support the needs of the 911 Communications Center. Currently, our Communications Center is the only means the public can make access to any form of emergency or urgent medical care. We provide assistance to the public, whether they arrive in-person to our facility, or call 911, to obtain medical care. We support all efforts to enhance our current Emergency Communications Department that we depend upon as our only means for emergency care.
Graham County 911 Communications considers the following priorities to be of high importance:
1) Construction of a State-of-the-Art PSAP that addresses all issues previously identified above (Project Description Section), and meets current industry and State 911 Board standards and expectations, respectively.
2) The ability to participate in the Regional Initiative begun by Swain and Jackson Counties.
3) The ability to have a cost effective and functionally efficient means to enable a back-up PSAP solution for Graham, Swain Jackson County's that incorporates technology that will be viable in a NG-911 environment.
4) Accomplish the above priorities without imposing adverse financial impact upon Graham County.

Graham County 911 Communications will not be able to deliver upon the priorities above without the funding provided by a 100% Grant Award. The consequences of not receiving this funding will delay the County's ability to provide a viable back-up PSAP solution for an unpredictable amount of time due to limited tax dollars available through traditional funding means. The lack of other Grant programs that address this unique function within Public Safety further complicate the possibility. The Grant program provided through the State 911 Board is unique and not replicated by other potential sources.
The consequences of not receiving funding can be summarized in one succinct thought: Without a 100% Award from this Grant Program, Graham County 911 Communications will continue to serve an under-served population from a Communications Center that itself operates on limited funding, and operates in a facility of unacceptable design, for both the near and long-term future.

Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

The Strategic Plan of the 911 Communications Center is communicated within their "Vision Statement" (Appendix 5) and is supported by the Graham County Information Technology Strategic Plan (Appendix 6).

Graham County 911 Communications has identified several areas where they have determined to improve upon moving forward. Some highlights of this effort involve : 1) the deployment and sustenance of effective technology, 2) implementing "EFD and EPD" to compliment the service they already provide through "EMD" protocols, 3) refining the EMD-QA role and environment for monitoring performance, and 4) partnering with Swain and Jackson Counties in the Regional Initiative previously discussed.
The IT Strategic Plan discusses the desire of the County to put forth an Information Technology solution that addresses envisioned needs of each County department concerning technology. Given that the function of Information Technology has become intertwined with that of the 911 PSAP, the two departments have become more involved with one another in key areas. The Strategic Plan identifies the Vision incorporating the ability to "deploy effective solutions to meet the needs of our departments, present and future". The Goals incorporates the idea of using "technology to increase productivity and efficiency". Furthermore, the Core Values state that "Excellence in Service" is one identified. Additionally, the Strategic Plan recognizes Public Safety, of which the PSAP is a participant, supports providing interoperable systems that support multiple agencies. Not to be overlooked, this plan also recognizes the need of utilizing innovative technology while "being good stewards of the County funds".
This project will enable the departments from Finance, Information Technology, the 911 Center, and Public Safety to deliver 911 and Public Safety support utilizing an Information Technology solution that interfaces with existing County IT infrastructure through the latest technologies available.
The creation of a state-of-the-art PSAP that utilizes the most current IT Hardware and Software funded from this Grant would escalate the completion of FY 2016-2017 plans in the most economical manner possible while minimizing adverse financial impact on the County.
The PSAP will be positioned to deliver public safety support to multiple counties through the use of an effective, efficient communications and IT network design.
This project represents the best way for the County to achieve the items identified within its "Lines of Business" in a financially sound manner, being "good stewards" of County funds".

Please identify the likelihood of completing the project without grant funding, the availability of other funding source(s) for the project, including 911 fund balance, the percentage of grant funding being requested in relation to total project costs.

(See Documentation in Appendices 9 and 10)
Graham County is requesting 100% of the project to be funded by the Grant.
There is a significant need to establish a secure environment for the 911 Communications Center which will better serve Graham County. We support any effort to better equip the 911 Communications Center to function, considering the lack of emergency care within Graham County. We also support the initiative to create a Regional back-up collaboration that can provide redundancy between the two counties of Graham and Swain. However our current 911 fund balance is low ($284,067.94), and will be needed to support the 911 Communications Center's normal operations throughout the year. Graham County does have adequate property that has been identified for the building space. Graham County intends to provide funding for site preparation. We have also contracted services from Mission Critical Partners, Inc. for support in Phase 1 of the project.
We have no private or governmental funding sources available to contribute toward funding this effort. This is a direct result of the current financial status of the County, and that the County Board of Commissioners will not raise the millage rate to accommodate the funding of this project. Grant funding would support the following:
• Construction of a new facility which will be furnished and equipped to specifications and appropriate industry and State 911 Board standards; and associated costs or fees required;
• Replacement of end of life technology;
• Provision of required furniture to support the PSAP's mission;
• Refresh technology required for multi-agency or PSAP redundancy;
• Costs incurred to establish connective pathways and/or networks to support the Regional Initiative;
• Any other equipment, software, or technology that would be of benefit, or becomes required in support of the Regional Initiative; and
• Design and consultative services provided through architectural/engineering firms and consultative firms specializing in 911 facilities, systems design and operations.
With all that being said, on January 20, 2015, the Graham County Board of Commissioners has unanimously voted to support the effort to fund this project through this Grant Program. (Appendix 10)

Consolidation Project Governance Plan

This study is required for all consolidation projects. Consolidation projects involve combining two or more PSAPs into a single primary PSAP with an integrated management structure that serves the same populations and jurisdictions prieviously served by such independent PSAPs. In addition to providing this governance plan, the localities that govern the PSAPs involved in the consolidation must provide interlocal agreements in support of consolidation, copies of which must be attached to the application submission.

Indicate how a consolidation would take place and improve service.

N/A

Indicate how the consolidated PSAP should be organized and staffed.

N/A

Indicate what services the consolidated PSAP should perform.

N/A

Indicate how consolidated PSAP policies should be made and changed.

N/A

Indicate how the consolidated PSAP should be funded exclusive of grant funding.

N/A

Indicate what changes or improvements should be made to inter-communications among the local governments participating in the consolidation in order to better support operations.

N/A

Discuss sustainability of the consolidation project during the proposed term of the project, and for the foreseeable future.

N/A

Regional Initiative Enhancement/Replacement Project

Required for all Regional Initiative Enhancement/Replacement project types. Regional initiative enhancement/replacement projects are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such projects may involve two or more primary PSAPs.

What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

Graham County has recognized the importance and need to ensure the continuation of E-911 emergency services under circumstances that include: 1) Unanticipated emergency service disruptions; 2) failure of equipment, 3) PSAP becoming untenable or inoperative, and others. Graham County also understands the need to establish a configuration that affords operational backup and redundancy for our PSAP, and the public served. With these in mind, a Regional PSAP approach is an economical means to address those needs. (Appendix 11)
Swain and Jackson Counties have addressed similar needs through the development of a comprehensive, supportive plan. They are in the midst of construction and implementation of their respective PSAP's and technology plans that were made possible by the awarding of their respective grants provided through this Grant Program.
The process of researching the possibility of establishing a regional back-up plan, and the potential benefit that can be realized, all parties (Graham, Jackson, and Swain Counties) have discussed a collaborative effort toward this end. Each has agreed to support this effort, contingent upon Graham County's ability to provide the same level of service expected from each participating entity. Graham County desires to effectively provide and maintain the required level of service included in the responsibilities and environments associated with our relationship to this initiative.
With that contingency, Graham County 911 Communications also agrees to enter into a similar MOU containing the responsibilities listed below:
1) To support the purchase and installation of appropriate E-911 equipment that will offer an easy and clear connectivity between the 911 Centers of Graham, Swain and Jackson County.
2) To support the establishment of redundant backup procedures between Swain and Graham County's E-911 call Centers in case of system failure in any of the three Counties. System Failure shall be defined to include but not be limited to: A man-made, technological, or weather event that causes one of the centers not to be available to answer and process 911 calls for their respective county.
3) To provide appropriate and quality E-911 services to Swain County residents upon notification of system failure.

4) To maintain the operational effectiveness of all communications equipment, software, and technology purchased through the requested grant from the NC 911 Board, and to support any Redundancy Backup Support Agreements entered into between Swain and Graham Counties, or other counties.
5) Routinely meet with counterparts from Swain County on a regular basis in support of the backup and redundancy mandate and intent of this memorandum.
6) To terminate the backup and redundant support being provided to and Swain County immediately upon request of either County.
Given this consensus, Graham County and Swain County have provided e-mails expressing support for this project. (Appendix 11)

Identify intended collaborative efforts

Through the anticipated regional network design, Graham County and Swain County intend to be connected by two pathways, one is provided through the local E911 telephone provider network, and the second through a shared, private regional Fiber connection that is already available and provided by a local Fiber vendor. Swain and Jackson Counties share connectivity that is similar to that envisioned for Swain and Graham Counties. The fiber connection between Graham and Swain County will be that of a "spur", as currently a fiber ring is not available between these two counties. In accessing both the telephone carrier's network that provides 911 service and the fiber connection from Balsam West shared between the two counties, a redundant network for telephony will be available. It is also envisioned that data produced from each County's CAD and radio systems, can be supported in a redundant arrangement. To make this a reality, the parties supporting this initiative will seek to identify potential challenges, and cooperatively work to craft the best solutions while maintaining the overall goal of the initiative, that of providing PSAP operational redundancy in the most effective and efficient means available
Graham County desires to build and to strengthen relationships and partnerships between partnering agencies in this initiative, and to create a more unified level of service for the citizens within our region.
Through the support expressed in sections preceding this portion of the document, each County will work in a collaborative fashion to ensure that the three counties involved in this initiative create a successful way to expand the regional concept that can be modeled by others moving forward.

Identify how resource sharing will take place.

Each participating agency will operate from the same or similar, PSAP call processing equipment, and will also share the same services provided for network telephone (911) and fiber connectivity between the respective PSAP's. Similarly, each County utilizes compatible radio systems which are serviced by the same vendor. As discussed previously in this document, each participating County intends to operate from the same (or compatible) CAD platform, each housing hardware and software at their respective facilities.
Given these considerations, the utilization of similar equipment will enable the participating entities to support one another in a relatively seamless capacity. Each participating PSAP will retain call processing equipment at their respective facilities, yet share common network connectivity which will enable each agency to support another participating agency.
Graham County will interface the same fiber connection pathway that Swain County is already connected to as well. This will enable Swain and Graham County to support one another (Swain to be Graham's primary back-up, while Swain's primary back-up would be Jackson County, and Graham becomes the secondary back-up to Swain).
With the move to a newly constructed, built to standard facility, Graham County will gain needed security, space, and a more adequate working environment to be able to run our 911 program, EMD-QA , and management program more efficiently and securely as well as provide adequate space for future back-up operations. As mentioned earlier, one of the main goals with this initiative is to expand opportunities for redundancy to our region and state, and with this expansion Graham County Communications Center we would then be an available resource for another agency to utilize as a back-up center option. In our region in the past we have been somewhat limited as to available resources to utilize for redundancy such as using several different fiber or microwave connections or different cell tower sites as alternate means of connectivity in the event of system failure. With this proposal we will be utilizing a fiber connection that already exists in our area to create an open pathway for connectivity to potentially grow to other PSAP's within the area. This initiative will allow the possibility for our region to expand on the strategic plan already in place by Jackson and Swain County and create a long term strategic plan than can in the future be used as a building block for additional PSAP's in our region. System Diagram for Radio can be found in Appendix 12.

Indicate how the initiative impacts the operational or strategic plans of the participating agencies.

The primary impact resulting from this initiative will be to drastically enhance the redundancy afforded to participating agencies in the most economical manner possible, and yet enable each agency to operate in a normal capacity on a routine basis. Other beneficial impacts are expected that extend to operational considerations, whereby participating agencies can establish training that is appropriate for the capabilities of this regional matrix, allowing their staff to be cross-trained to operate from either participating PSAP in a seamless manner. The regional partnership could provide the avenue to increase call processing capability on a regional level during extreme or unusual operating conditions, without increasing authorized and budgeted staffing levels within each PSAP.
This initiative will require the PSAP's involved to restructure the strategic plans to include the responsibilities of each partnering agency. Operational standards and policies would need to be adopted at each PSAP that enable agencies to assume the responsibilities of expanded operations in cases of emergencies.

Financial Data

Current 911 Fund Balance	$285,074.64
Amount Requested	$5,314,887.08
Total Project Cost	$5,034,695.14

Budget and Budget Narrative

A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2012 PSAP budget.

List planned expenditures.

Please see the following information detailed below:
Construction Costs (Total) $3,292,245.41
Technology Costs (Total) $1,742,449.73
Total Project Cost $5,034,695.14

Construction Budget and Narrative

Budgetary cost estimates were developed for Graham County by MCP. These programming and financial estimates for construction were developed through MCP's extensive experience in programming PSAP facilities. The values developed provide cost estimation for the purpose of this Grant Application. The costing is based upon similar work performed in North Carolina.

The proposed facility is programmed to accommodate all required functional areas to properly support the operations of a PSAP. This includes a Dispatch Operations room that can support five (5) workstations, and has expansion capability to house two (2) additional positions. These positions should be sufficient to support partner agencies that participate in the Regional Initiative referenced earlier. Space programming addresses all identified concerns listed in previous sections of this document, and others required to support the PSAP's role. (Appendix 14)

A cost of $350/ square foot was used to calculate the opinion of cost based upon Total Building Area square footage estimated to be 7,507 square feet. This amount of space will allow for proper set-backs and parking necessary to support the facility, while $350/ square foot represents a cost estimate that is commonly applied for estimating costs for similar projects. Further detail relating to Construction and Programming can be found in Appendices 13 and 15. Estimated costs (Base) for Construction are: $2,627,394.00

The County does not envision using a Construction Manager, but will provide management and oversight to the selected Architectural/Engineering firm in support of the Project Manager, and Facilities Management to manage construction contracts and construction.

Construction Contingency (10%)
A contingency of 10% of the base construction cost is included within the Total Construction Cost value. A 10% contingency equates to $262,739.40.

Fees/Permits
Fees for Architectural Engineering Services, Environmental Impact Study, and Geotechnical Studies have been estimated by MCP using percentage pricing from similar work. These fees were calculated at 9% of the base construction cost estimate ($2,627,394.00 x .09 = $236,465.46). Permits are estimated at $60,000.00. Total cost estimate for Fees and Permits combined is $296,465.46.
Contingency (10%) for Fees/Permits is $29,646.55

Generator
A generator system of sufficient capacity to power critical components within the new PSAP during periods when commercial power is unavailable is required. Graham County has been provided a budgetary estimate for such equipment from CP Electric, including all components to allow turnkey operation for $76,000.00. This estimate has been reviewed by MCP. (See Appendix 15)

Itemized Construction Cost
Construction $2,627,394.00
Contingency $262,739.40
Permits/Fees $296,465.46
Contingency $29,646.55
Generator $76,000.00

Total Construction Cost $3,292,245.41
(Including Contingencies, Generator, and Fees/Permits)

Technology Costs
(Documentation for these items may be found under Appendix 15)

Administrative Telephone System $7,005.00
911 Telephone System $213,749.80
Radio Console System and 80' Tower $181,871.27
Computer Aided Dispatch $262,958.00
Net Clock $11,031.00
UPS $110,000
Recording System $34,304.00
911 Workstations/Chairs (workstations) $72,800.00
(Four chairs) $3,876
Structural Cabling $40,500.00
Grounding $14,300.00
In Building Distributed Antennae System (DAS) $110,000.00
Audio/Visual $17,500.00
Access Control/Monitoring-Security Equipment $64,267.00
Cameras $12,309.00
Monitors $1,658.00
Access Control Hardware/Software $50,300.00
IT Network $91,000.00
Fiber Connectivity Services $42,437.00
Office Furniture $21,893.50
Consultative and Professional Services $285,175.00

Technology Subtotal $1,580,521.57

Technology Contingency (10% of total Technology) $158,052.16

Technology Total (including Contingency) $1,742,449.73

Provide a budget narrative that briefly explains the reason for each requested budget item.

Administrative Telephone System
An administrative telephony system is needed to properly interface with the Graham County administrative system. The system procured should be compatible with the existing administrative phone system being utilized by the County. Graham County has received a budgetary quote from The Network Team to procure such a system at a cost of $7,005.00

In Building Distributed Antennae System (DAS)
A budgetary estimate of $110,000.00 has been provided by MCP for such as system based upon budgetary estimates from similar projects

Fiber Connectivity Services
Graham County has been provided a budgetary quote for a 5 year service to provision a fiber connection between Bryson City (Swain County) and the Graham County PSAP. The service contains both Non-Recurring and Recurring monthly charges. This connection is needed to establish a redundant pathway between the Graham County PSAP and Swain County's PSAP. This pathway will enable the members of the regional system to operate on pathways that are technologically of the same type, resulting in a network that delivers data with the similar configuration schemes across the network.

Radio Console System and 80' Tower
Western Carolina Communications Systems supplied a budgetary estimate that provides sufficient radio console equipment to complete the outfitting for the Dispatch Operations room to bring the number of provisioned workstations to four (4). The estimate also provides material and installation of an 80 foot tower and all required equipment to allow the radio network to be accessed from the new PSAP.

911 Telephony System
Graham County has been presented a budgetary quote from GeoConex for a Zetron Max E911 telephony system four (4) positions and two (2) back up/overflow positions. This system is the same that is deployed at Swain and Jackson Counties, and will enable staff from all agencies participating in the Regional Initiative to be able to operate from either PSAP seamlessly should they need to relocate to either PSAP. The deployment of this system will minimize any interface or compatibility concerns throughout the regional network.

Computer Aided Dispatch System
Southern Software has provided a quote to provide software, hardware and one year 24/7 support that will equip four (4) workstations, 4 additional positions, one Admin position, and Mapping. Also included are two (2) servers, workstations, and laptops to support both routine and overflow operational conditions. The quote includes installation and training. This CAD system will allow Graham County to operate from the same CAD platform as Jackson and Swain Counties. With each agency utilizing identical CAD software, the ability for each agency to support one another is further enhanced.

Netclock
Graham County has estimated costs for this technology. Time synchronization is critical for accurate time documentation of events that may be reported to the PSAP, or managed by the PSAP.

Recording Logger
Carolina Recording Systems has submitted a budgetary quote for a NexLog 32 channel 740 recording system. This equipment is required for proper documentation of events managed by the PSAP.

UPS
This equipment is required to allow the PSAP's mission essential equipment to operate when commercial power is off-line, and an interim power source is needed to power equipment until the system Generator is on line. A quote for this equipment was provided by CP Electric.

911 Workstations and Chairs
A quote from Herman Miller has been presented to provide four (4) workstations to be used in the Dispatch Operations room. A quote from Herman Miller has also been provided to supply four (4) workstation chairs. This equipment is needed so that 911 Tele communicators can utilize properly designed furniture to house CPE and provide proper physical support to staff on a 24/7 basis.

Office Furniture/Chairs
Graham County has received a quote from Miller at Work for office furniture and chairs. These furnishings are necessary items to allow personnel operating in other areas outside of Dispatch to properly perform their tasks.

Structural Cabling
MCP has provided an estimate of costs based upon previous similar work. Cabling infrastructure is necessary to allow the proper functioning of equipment within the PSAP. Cabling of the latest design should be installed such that the facility is supported by the most current equipment available.

Grounding
Proper grounding and bonding in accordance with the latest industry accepted standards should be used. This equipment would support mission critical equipment and infrastructure, and would be installed with Technology. Estimate provided by MCP.

Audio/Visual-
An Audio/Visual system to support the mission of the PSAP with desired control and presentation functionality will also be required. The system can be used for monitoring events, receiving briefings from local, state, and national levels, and enable the agency to employ state-of the-art technology while conducting training and public education meetings. Costs for an Audio/Visual system have been estimated by MCP based upon similar previous work.

In Building Distributed Antennae System
This system would enhance the reception of wireless signals within the facility. This allows staff to coordinate actions while using personal communication devices within the building. This expands the capability of the PSAP to deliver communication services using multiple communication platforms. Estimate provided by MCP based upon previous work in similar projects.

Access Control/Security Monitoring
Cameras, hardware, and monitors for the purpose of monitoring closed circuit television from security camera feeds, and equipment to control the access and egress at the facility are required to enhance the security of the PSAP. A quote for cameras and monitors has been submitted by The Network Team. Costs for Access Control hardware has been estimated by MCP based upon previous work for similar sized facilities.

IT Network/Switchgear
Hardware and software designed to provide the facility proper IT networking is required to enable the PSAP to operate in the

NG-911 era that is evolving into reality. An estimate of costs has been provided by MCP.

Consultative and Professional Services
Graham County desires to retain MCP to provide program management support through the completion of the project. The support from MCP addresses technology integration, procurement support, migration planning, grant reporting, developing a detailed timeline, coordinating with other technical procurement/contractors and their subcontractors, and managing grant requirements.
Costs estimates are based on support provided by MCP from similar support provided to other project grant recipients. Professional Services fees relating to MCP's work will be funded within the Grant Award, provided an award is received.

Technology Contingency
This fund is used to offset any unplanned costs or overages relating to budget items identified, or for other technology cost to procure items that would be beneficial, or are advantageous, providing additional capability to the PSAP.

State how you will follow applicable procurement law, rules, and policies.

Graham County and the Graham County Finance Director will act as the fiduciary agent for this project. Therefore, the responsibility of ensuring all applicable procurement laws, rules, and policies are followed will fall on Graham County's Finance Director. This will be accomplished by following existing County procurement policies which are in accordance with Article 8 of the North Carolina General Statutes, specifically G.S. 143 -129, which establishes the procedures for formal bidding and G.S. 143-131, which establishes the procedures for the informal bid process. In addition, the documenting of all project expenses, payments, etc. will be in accordance with Generally Accepted Accounting Principles, as set forth by the Financial Accounting Standards Board. The project will also comply with any additional requirements that may be set forth in a project contract.

If the project will have ongoing expenses, such as monthly recurring charges, describe plans and specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

Any Recurring costs associated with acquisition, maintenance, and support of 911 communications equipment will be funded from the annual allocation provided by the State 911 Board, and through Graham County's annual operating budget, as appropriate. Maintenance, repair, and replacement of building components will be funded through appropriate means that comply with Graham County financial management policy.

Evaluation

All applications must include evaluation information. The final report shall include an evaluation demonstrating that the equipment or services funded by the grant have been purchased, installed/implemented, and are performing as expected.

Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline for meeting short, intermediate, and long term goals.

The evaluation of this project will be closely monitored using a number of variables to determine that all goals and deadlines are being met. We will measure the impact of the new 911 center operations once it is completed and operational. Our County Manager, Finance Director, Building Inspector, Emergency Management Director, 911 Communications Director along with Construction Manager will work together to conduct internal reviews in conjunction with MCP project team to evaluate the progress of the building project at regular intervals and will submit this information that is required within the grant contract.
This monitoring will include data and use evaluation parameters such as:
• Employee Retention
• Employee Satisfaction
• Service Outages due to Electrical Failure
• Outside Intrusion Levels
• Response times
• EMD QA Improvement Level
This data will be tracked quarterly to determine short, intermediate and long term success and impact of the facility once it is complete and operational.
Along with our project team we can also supplement that team with staff from various town and county departments that will provide input and or oversight to specific parts of the project.
A preliminary timeline with possible milestones is supplied below. This timeline is based upon general timeline expectations that will require further revision once the complete project team is identified.
Facility Tasking
Prepare a request for proposal (RFP) for a design architect/engineering firm – Month 1
Select and hire design architect – Month 2
Complete regulatory review – Month 3
Complete design – Month 10
Bid construction – Month 11
Select contractor and begin construction – Month 12
Allow technology vendor access to facility – Month 25
Complete construction – Month 26
Integrate technology – Month 27
Commission and occupy new center – Month 28
Technology Tasking
Establish equipment/systems parameters/review budgets – Month 3
Finalize requirements – Month 5
Develop RFPs or statements of work (SOWs) for vendors – Month 10
Issue RFPs/SOWs – Month 13
Evaluate vendor responses/select vendors – Month 15
Procure systems – Months 16-24
Install equipment – Month 25
Test/Accept systems – Month 27
Train for cutover/migration plan – Month 28
Complete migration plan – Month 29
Cutover to new facility – Month 30

Describe how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

The professional consulting services of the Construction Manager and the MCP project manager/consulting will be responsible for developing evaluation plans and tracking task completion/progress. Our Project team will work with MCP to review each evaluation to ensure the project is moving forward toward completion as planned.
During Construction performance measures that are typically associated with construction, such as required inspections, commissioning, and receipt of Certificate of Occupancy, will serve as construction benchmarks. During other phases of the project, such as IT and technology systems, and procurement/installations, Graham County will use accepted industry standards to ensure that we meet the grant requirements of the 911 Board.

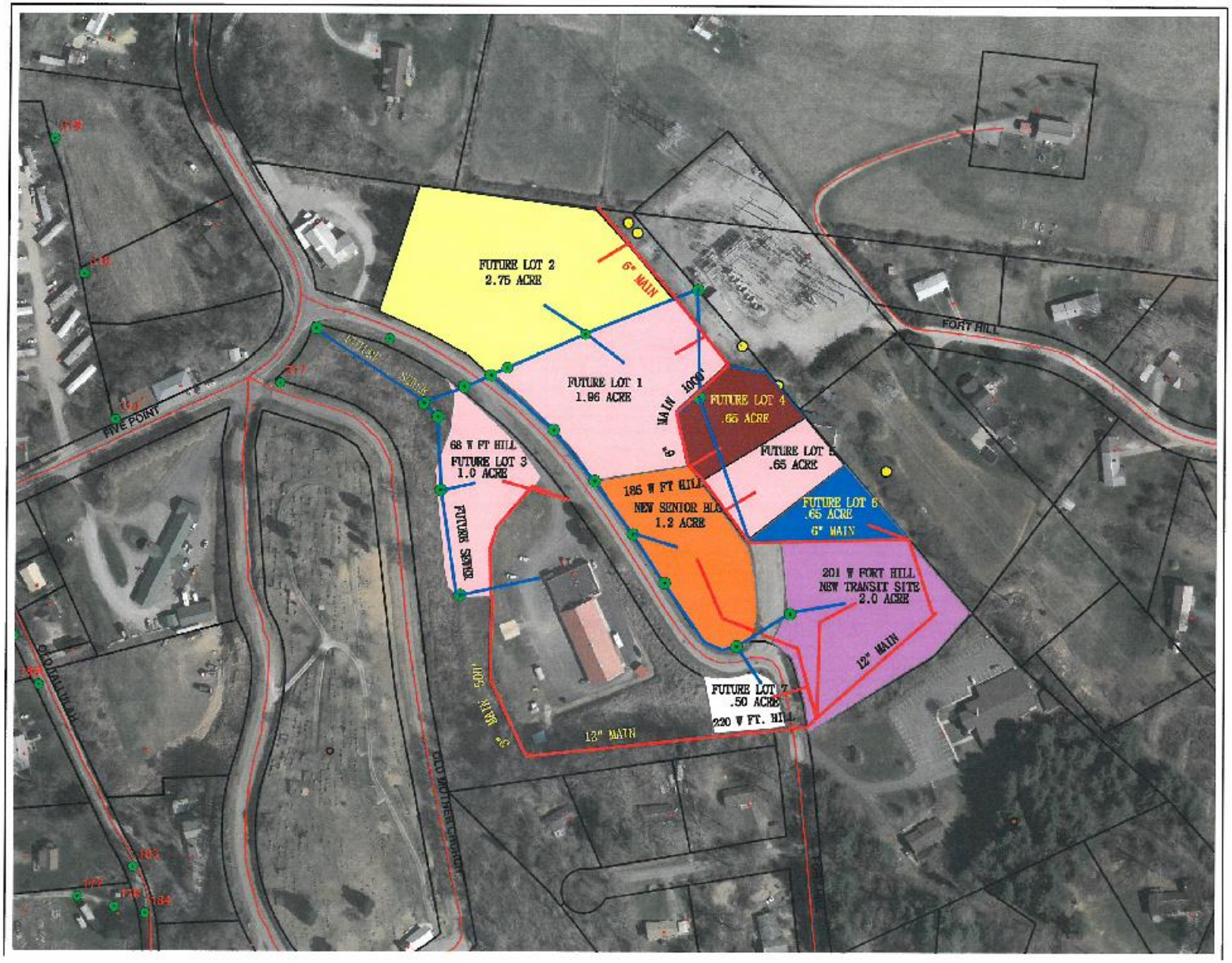
Identify how data will be collected and presented.

As mentioned above the project team described above will have the responsibility of collecting data for the project during all phases of construction. Data will be compiled and reviewed by the County team as well as MCP and provided in a project evaluation form that will be created internally to track progress and report milestones that will be determined as required by the grant conditions. This will ensure a fixed point of contact in addition to a well-informed team. This data to be collected includes but is not limited to:

- Schedule or timeline of project
- Project budget
- Completed milestones or benchmarks within the project scope
- Designs issues, final design and procurement documents
- Coordination of services
- Cost predictions and oversight
- Safety and security issues
- County IT Strategic Plan

Appendix 1

Identified Land "Lot 2"



Appendix 2
Duke Energy Letter

Duke Energy
135 Kenney Gin Bypass
P.O. Box 98
Robbinsville, NC 28771

2-2-2015

To All Concerned:

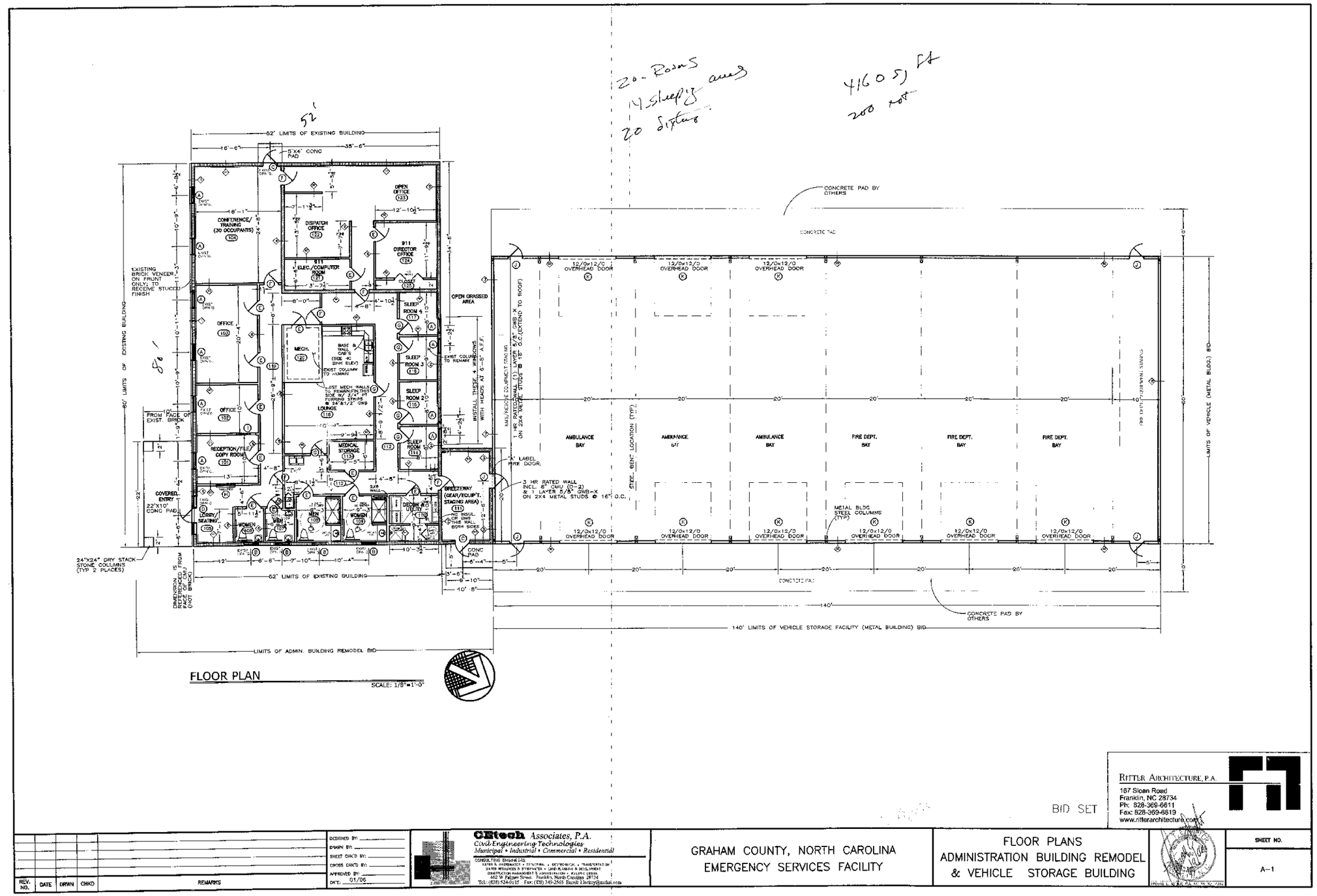
This letter is in reference to the distribution power lines located on the property owned by Graham County at West Fort Hill Rd, Robbinsville, NC. These lines can be relocated to accommodate future buildings on the property.

Sincerely,

Rachael Jones
Engr. Tech III
C: 828-342-0079
Rachael.Jones@duke-energy.com

Appendix 3

Graham Co 911, EMS, Fire Floor Layout



FLOOR PLAN

SCALE: 1/8"=1'-0"

BID SET

RITTER ARCHITECTURE, P.A.
187 Sloan Road
Franklin, NC 28734
Ph: 828-369-6611
Fax: 828-369-6619
www.ritterarchitecture.com

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:
DRAWN BY:
SHEET CHKD BY:
CROSS CHKD BY:
APPROVED BY:
DATE: 01/06

CEtech Associates, P.A.
Civil Engineering Technologies
Municipal • Industrial • Commercial • Residential
CONSULTING ENGINEERS
WATER & WASTEWATER • STRUCTURAL • GEOTECHNICAL • TRANSPORTATION
WATER RESOURCES & STORMWATER • LAND PLANNING & DEVELOPMENT
CONSTRUCTION MANAGEMENT & ADMINISTRATION • PUBLIC LEGAL
862 W Palmer Street, Franklin, North Carolina 28734
Tel.: (828) 524-0155 Fax: (828) 349-2565 Email: 1hickey@frontier.com

GRAHAM COUNTY, NORTH CAROLINA
EMERGENCY SERVICES FACILITY

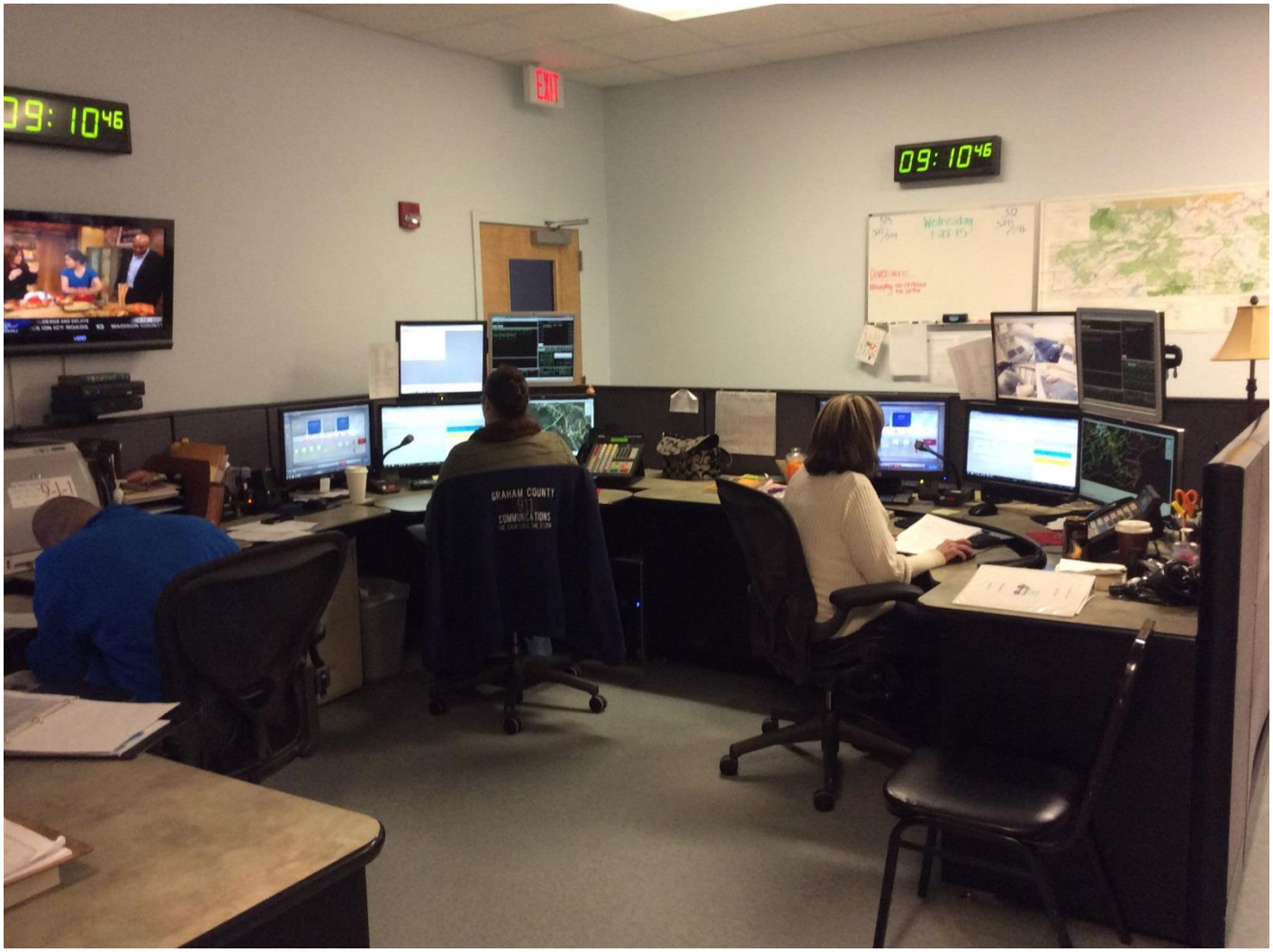
FLOOR PLANS
ADMINISTRATION BUILDING REMODEL
& VEHICLE STORAGE BUILDING

SHEET NO.

A-1

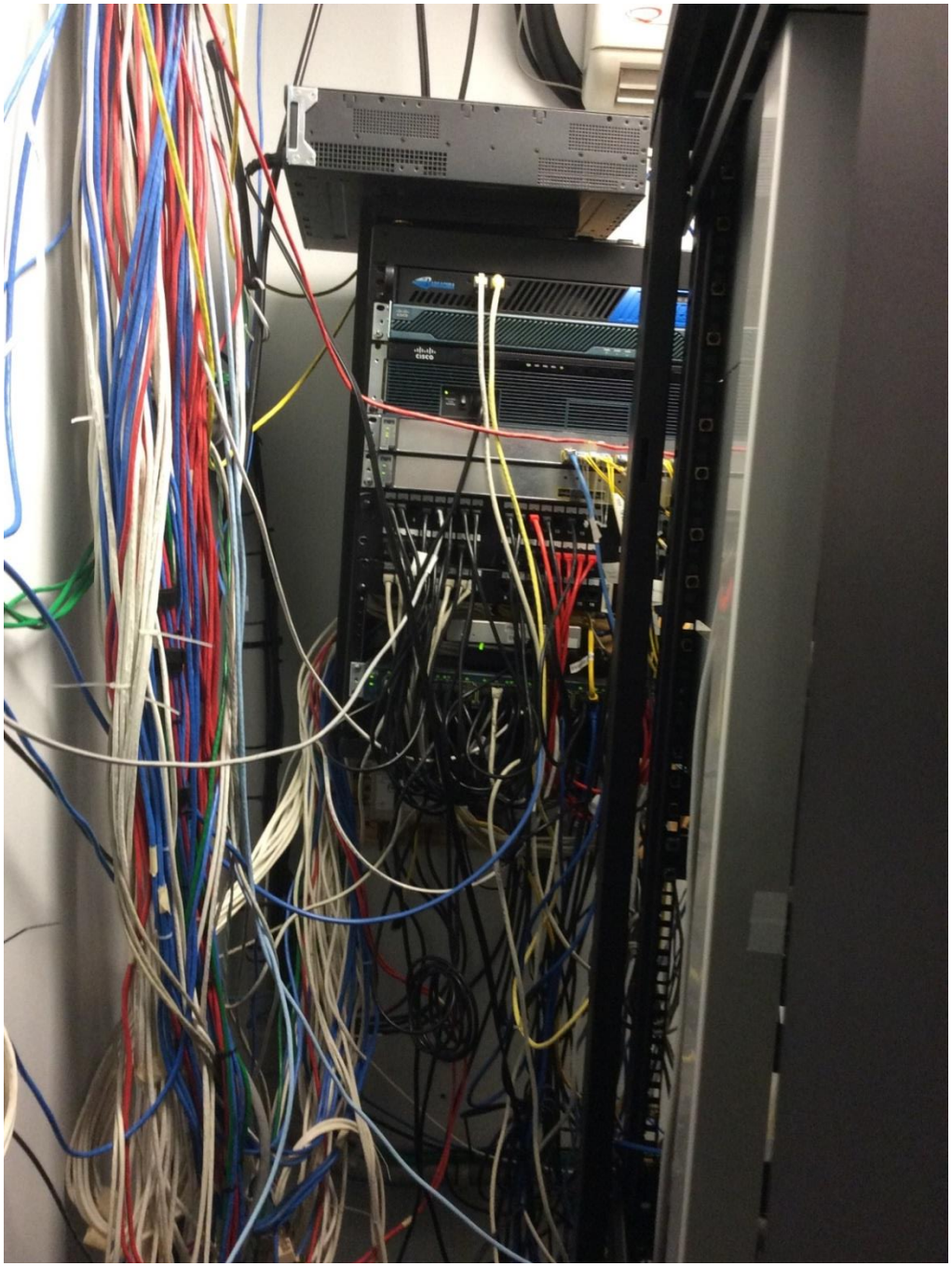
Appendix 4
Current PSAP Facility Pictures

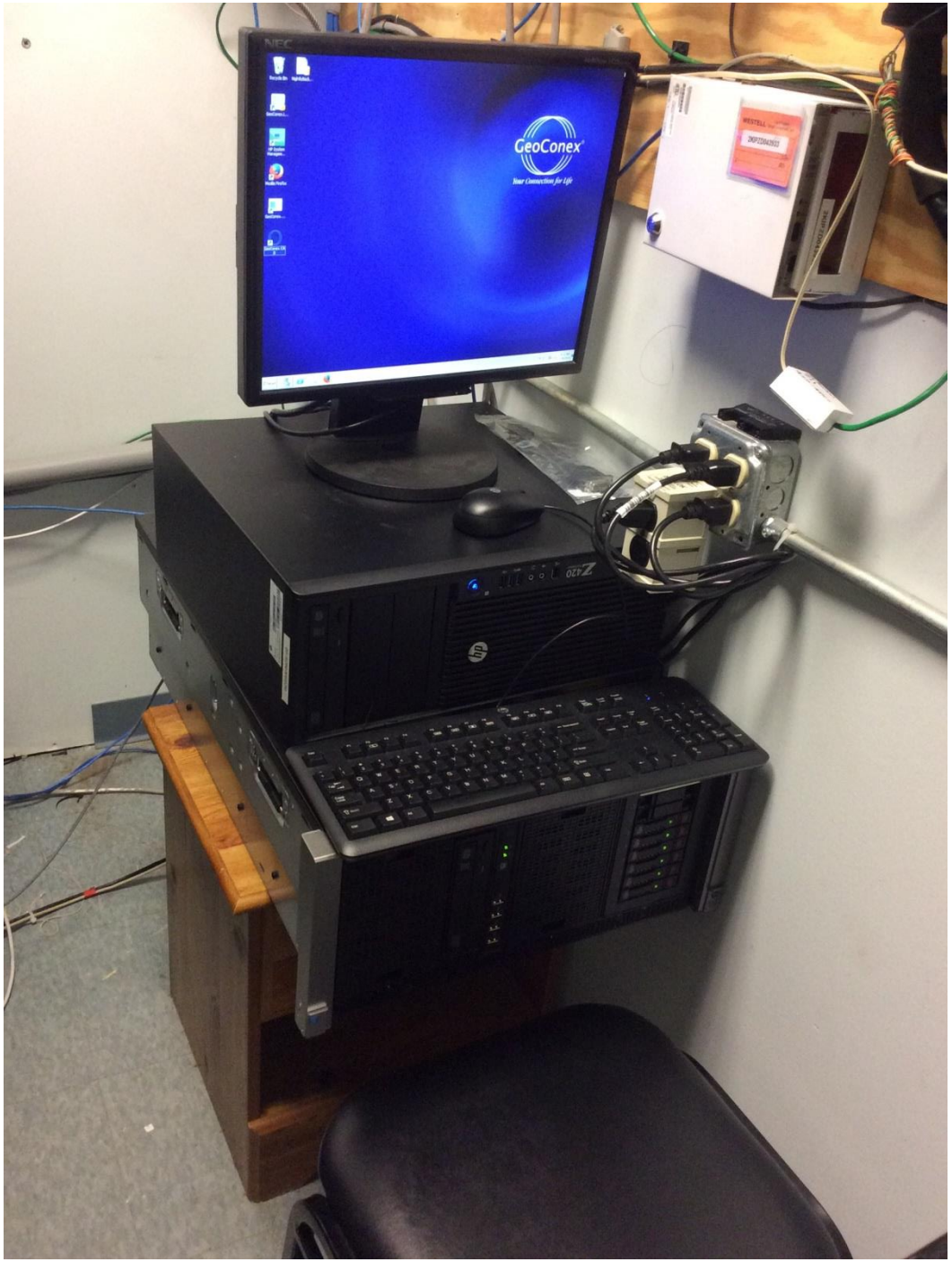
Dispatch Operations



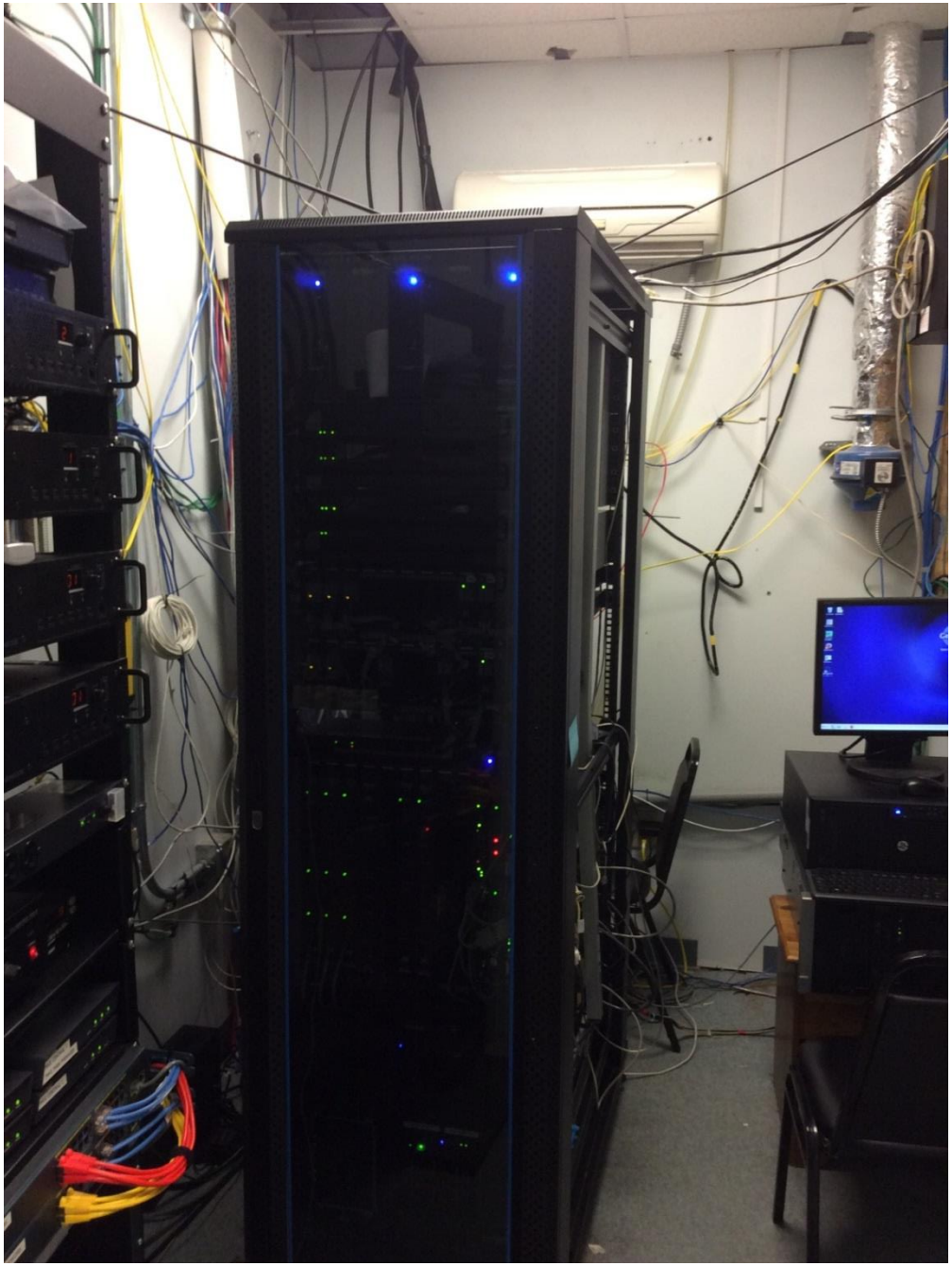
Director's Office, Kitchen, Storage

Server Room Pictures

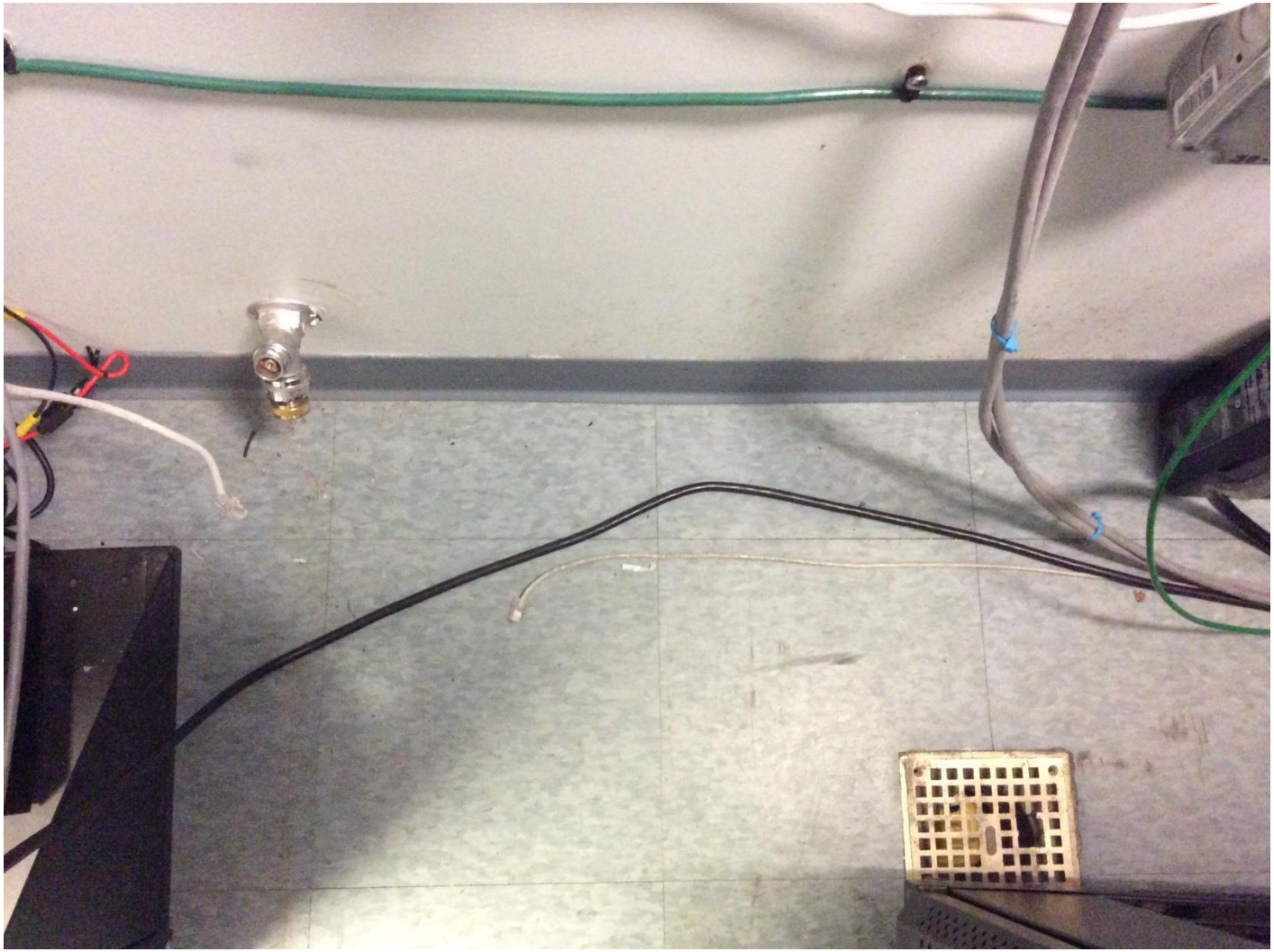



NEC
GeoConex
Your Connection for Life
Z420

Server Room A/C and Room Layout



Water Connection and Drain system/Server Room



EOC/ Community Meeting /Multi-Agency Training Room:
Wood Door depicts entrance to Dispatch, Exterior door adjacent to Dispatch
(Note lack of Security features)

Appendix 5

Graham County 911 Vision Statement

- Vision- To provide Excellent Customer Service to each caller. To sustain and deploy effective technology. To invest in and develop our employees to be the best at what they do.
- Mission Statement- Graham County 911 Communications- Our mission is to provide the citizens and visitors of Graham County with efficient and effective 911 Communications services. We strive to give each caller as well as our field responders' prompt and courteous service in a professional manner; your emergency is our emergency.
- Plans and Goals- We at Graham County 911 Communications has realized a need to improve and restructure 911 services in Graham County. Last year we implemented EMD into our 911 toolbox. Recognizing the value of such a structured program, we hope in the future to look to adding EFD as well as EPD to our service. We also over the past year have taken a look at our hiring process. In December we re-worked our interview questions, including an interview evaluation form along with conducting panel interviews including HR department in this process. We reworked the telecommunicator job description to accurately convey the scope of work so that we properly recruit people who possess the correct skills and abilities included in being a telecommunicator at Graham County 911. We also identified the need to extend the time that we train new employees. One of our goals for the future will be to create a training environment that will allow a trainee to more effectively train outside of the on the job training we currently offer.
- Another goal is to improve our EMD-QA. There is a need to refine our QA environment to include a more effective opportunity to improve. To insure that our dispatchers are getting the most from the QA process and to make sure we are meeting the expectations we have set for ourselves as well as meeting the operational standard.
- Looking toward the future another goal is to commit to a regional redundant partnership with our neighboring counties of Swain and Jackson. We hope to affirm these partnerships and continue to strengthen our relationships between us as a 3 county region. Focusing on ourselves as a redundant unit as well as strengthening our relationships with the vendors involved who help us do our work and supply our systems, to make sure our operation is functioning as it has been designed to.
- Standard of Performance- We will continue to keep a check on the pulse of our department's performance, striving to make sure we maintain and excellent percentage of calls answered within 90 seconds. And to insure that every call is processed and dispatched as quickly and efficiently as possible while maintaining a stellar quality of service. We will make it a priority to look at every policy, procedure and protocol to continually review and improve our processes.

Appendix 6

Graham County IT Strategic Plan

Graham County Information Technology Strategic Plan

2014—2017

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Graham County Information Technology

Mission, Vision, Goals and Core Values

Mission

To support the mission of Graham County Government Departments by providing innovative, cost effective and reliable information, and communications technology solutions.

Vision

An efficient county government supported by an integrated information environment created by good inter-departmental relationships and deploying effective solutions to meet the needs of our departments, present and future.

Goals

Provide quick and efficient customer service to county departments

Promote and maintain a dynamic and productive organization

Use technology to increase productivity and efficiency

Core Values

Communication

Integrity

Honesty

Excellence in Service

Taylor Carringer,

Director of Information Technology

I have worked for Graham County IT department since May of 2010. I have served as the director of this department since February of 2012. As the sole member of my department, I pride myself in having good standing relationships with our various department heads and their employees. We work together to provide the most efficient and user friendly environments possible. This is made possible through these inter-departmental relationships as well as strategic planning.

Our strategic plan focuses on supporting Graham County's mission, goals and priorities with effective IT solutions. This is the foundation of all of our information technology and communication projects.

This department is dedicated to meeting the needs of other county departments, present and future. We are working every day to improve our county network through new software and services as well as hardware refreshes and acquiring new devices.

We have made major progress over the past ~5 years. We made the jump from the archaic standalone desktops to setting up a domain controller and using active directory/group policy to manage users. Now we are implementing a new virtual desktop system across all departments. And we continue to look for new and improved ways to be more efficient while providing excellent service to the public.

Graham County IT Objectives

Our objectives are structured, forward looking programs and processes used to provide the most user friendly and efficient work environment. Promoting productivity while providing service with a smile.

EFFICIENCY & PRODUCTIVITY – Provide an IT environment that supports the mission of the county through automation, collaboration, data sharing and availability, building the workplace of the future to promote the county's image as an innovative leader.

ANYTIME, ANYWHERE ACCESS – Enables mobility and provides anytime, anywhere access to information and services whether in an office, out in the field or on the road.

INNOVATION/TRANSFORMATION – Deliver innovative technology solutions that will transform the county into the future.

FISCAL ACCOUNTABILITY – Execute plans while spending funds only as needed. Utilize capital to invest in technology wisely and economically.

TRAINING AND ADVANCEMENT – Continuing education and training to provide the most competent and innovative service

GRAHAM COUNTY IT STRATEGIES

County IT must meet the needs of today while expanding county horizons for the future.

VIRTUALIZATION – implement both server and desktop virtualization solutions to reduce costs, improve efficiencies and support practices.

INTEGRATION – The process of linking together different computing systems and software applications physically and functionally to act as a coordinated whole.

CLOUD – A Style of computing in which scalable and IT-enabled capabilities are delivered as a service using internet technologies.

COMMUNICATIONS ENHANCEMENTS – Install and integrate IP phones in all office locations. Provide voicemail service through unified messaging, integrated with Microsoft Exchange.

UNIFIED COMMUNICATIONS – The integration of real-time communication services such as instant messaging, telephony and video conferencing.

GRAHAM COUNTY IT LINES OF BUSINESS

Accomplishments of this department are shared throughout all county offices and departments to better serve the citizens of Graham County

INFORMATION TECHNOLOGY – The core of the county's business systems and practices is to deliver information whenever and wherever necessary.

GOVERNING BODY – It is our goal to serve the commissioners and leadership of Graham County to ensure data is available as required by business operations. Providing technology solutions to make informed decisions and remain connected is imperative.

PUBLIC SAFETY – We are focused on leveraging technology to effectively and efficiently address core law enforcement and public safety needs through the design and implementation of interoperable systems between agencies.

COMMUNITY RESOURCES – Our focus is to provide the information technology tools required to agency staff, our community partners and our clients to proficiently deliver integrated Health & Human Services to the citizens of Graham County.

CONSTITUENT SERVICES – We strive to develop systems that promote real-time service and facilitate communication.

FINANCE – We strive to support the financial and budgetary needs of Graham County through innovative technology and support being good stewards of the county funds.

INFRASTRUCTURE – Our primary information technology focus is to provide an IT environment that empowers customers and county staff to deliver high-value services in an effective and timely manner.

GRAHAM COUNTY IT LONG RANGE PLAN

FY 14-15	FY 15-16	FY 16-17
VDI Rollout to all departments	Finalize VDI Rollout	Finalize Disaster Recovery Planning
Data Storage Solution	Dell Appassure for server backups	Microsoft Licensing Subscription
Microsoft Licensing Subscription	Disaster Recovery Planning	Server Replacements
Phase out 25 computers	VDI remote access training	Phase out computers as needed
Install 25 thin clients	Roll out of Office 365	Maintain 10 thin clients in inventory
Replace 5 laptops	Microsoft Licensing Subscription	Replace 5 laptops
Replace 15 Monitors	Phase out computers as needed	Replace 15 Monitors
	Have 10 thin clients in inventory at all times	
	Replace 5 laptops	
	Replace 15 monitors	

Appendix 7

Graham County Unemployment Rate

North Carolina Department of Commerce - Labor and Economic Analysis Division

News Release

For More Information, Contact:
Larry Parker/919.707.1010

For Immediate Release
March 20, 2015

North Carolina's January County and Area Employment Figures Released

RALEIGH — Unemployment rates (not seasonally adjusted) increased in 98 of North Carolina's counties in January and decreased in two.

Graham County had the highest unemployment rate at 14.5 percent while Buncombe County had the lowest at 4.5 percent. All 15 of the state's metro areas experienced rate increases. Among the Metro areas, Rocky Mount at 8.2 percent experienced the highest rate and Asheville and Raleigh, both at 4.8 percent, had the lowest. The January not seasonally adjusted statewide rate was 5.9 percent.

	Counties With Rates 5% Or Below	*Counties With Rates Between 5% & 10%*	*Counties With Rates 10% Or Above*
January	*7*	*86*	*7*
December (Revised)	*33*	*66*	*1*

When compared to the same month last year, not seasonally adjusted unemployment rates decreased in 90 counties, increased in seven, and remained unchanged in three. All 15 metro areas experienced rate decreases over the year.

The number of workers employed statewide (not seasonally adjusted) increased in January by 1,148 to 4,363,491, while those unemployed decreased 41,534 to 273,212. Since January 2014, the number of workers employed statewide increased 58,444, while those unemployed decreased 44,375.

It is important to note that employment estimates are subject to large seasonal patterns; therefore, it is advisable to focus on over-the-year changes in the not seasonally adjusted estimates.

The next unemployment update is scheduled for *Friday, March 27, 2015* when the state unemployment rate for *February 2015* will be released.

— More —

This information may be accessed on the DES World Wide Web page, at http://www.ncesc.com

Appendix 8
2015 County Tier Rankings

2015 COUNTY DEVELOPMENT TIER RANKINGS (§ 143B-437.08)

		ECONOMIC INDICATORS										TIER ADJUSTMENTS								
NEW TIER	COUNTY	Adjusted Property Tax Base Per Capita FY 2014-2015 Value	Rank	Population Growth July 2010-July 2013 % Change	Rank	Median Household Income 2012 Income	Rank	Unemployment 12 Mth Avg Oct 13-Sept 14 Rate	Rank	County Rank Sum (Lowest = most distressed)	ECONOMIC DISTRESS RANK (#1 = most distressed)	Population Less Prison July 2013	Poverty Rate 5-year 2008-2012	2013 Tier	2014 Tier	Pop <50,000 then top 80; pop <50,000 & poverty >19% then top 40	Pop <12,000 then top 40	Must be Tier One for two consec. Years	Adjusted County Rank	FINAL 2015 TIERS
	ALAMANCE	$77,347	39	1.40%	60	$41,394	58	6.53%	71	228	66	153,595	17.3%	2	2	66	66	66	76	2
	ALEXANDER	$73,159	33	0.17%	40	$39,655	51	6.21%	79	203	50	36,331	18.3%	2	2	41	41	41	49	2
	ALLEGHANY	$160,277	90	-0.86%	19	$34,046	18	7.51%	39	166	32	11,052	20.9%	1	1	0	0	0	1	1
	ANSON	$69,221	23	-1.58%	9	$32,339	11	7.94%	24	67	10	24,298	22.2%	1	1	0	0	0	1	1
⇩	ASHE	$149,224	88	0.65%	49	$34,080	19	8.10%	21	177	38	27,434	19.3%	2	2	0	0	0	1	1
	AVERY	$279,492	98	0.84%	56	$34,727	22	7.41%	41	217	59	16,128	17.8%	2	2	41	41	41	49	2
	BEAUFORT	$119,004	73	0.03%	34	$38,256	44	8.03%	23	174	37	47,777	20.6%	2	1	0	0	0	1	1
	BERTIE	$63,566	12	-3.10%	2	$30,414	2	9.37%	9	25	1	19,651	24.3%	1	1	0	0	0	1	1
	BLADEN	$77,970	42	0.16%	39	$32,766	13	9.77%	5	99	14	35,074	24.4%	1	1	0	0	0	1	1
	BRUNSWICK	$210,131	95	7.08%	99	$48,624	84	7.37%	43	321	88	115,716	15.2%	3	3	88	88	88	89	3
	BUNCOMBE	$123,617	78	4.19%	86	$43,146	69	4.98%	97	330	90	248,058	16.8%	3	3	90	90	90	91	3
⇧	BURKE	$72,269	29	-0.95%	16	$38,581	47	7.21%	51	143	27	88,393	18.7%	1	1	27	27	27	43	2
	CABARRUS	$102,047	59	4.55%	89	$55,531	98	6.02%	85	331	91	186,347	12.1%	3	3	91	91	91	92	3
⇧	CALDWELL	$71,138	27	-0.56%	27	$35,127	24	7.36%	45	123	22	82,251	19.0%	1	1	22	22	22	41	2
	CAMDEN	$104,749	63	1.91%	65	$53,563	94	6.73%	68	290	81	10,174	7.4%	1	1	41	0	0	1	1
	CARTERET	$209,308	93	3.78%	83	$48,930	86	6.21%	80	342	96	68,939	14.1%	3	3	96	96	96	97	3
	CASWELL	$66,848	19	0.80%	55	$39,615	50	7.04%	55	179	39	22,744	20.7%	1	1	0	0	0	1	1
	CATAWBA	$100,835	58	0.73%	51	$42,080	62	7.26%	50	221	61	155,174	15.1%	2	2	61	61	61	72	2
	CHATHAM	$130,081	81	6.08%	94	$55,371	96	4.59%	100	371	100	67,597	11.1%	3	3	100	100	100	100	3
	CHEROKEE	$110,404	68	0.12%	37	$31,370	7	8.78%	16	128	23	27,471	15.1%	1	2	23	23	23	42	2
	CHOWAN	$104,625	62	0.39%	44	$37,458	41	8.19%	20	167	33	14,815	24.7%	1	1	0	0	0	1	1
	CLAY	$157,704	89	2.14%	68	$36,871	36	6.52%	72	265	74	10,794	22.6%	1	1	0	0	0	1	1
	CLEVELAND	$76,231	36	-0.61%	25	$38,265	45	7.17%	52	158	30	97,429	19.7%	2	2	30	30	30	45	2
	COLUMBUS	$59,320	6	-0.17%	32	$33,765	17	8.87%	13	68	11	55,672	24.5%	1	1	11	11	11	35	1
	CRAVEN	$91,184	53	0.30%	42	$47,087	82	7.72%	32	209	53	103,691	16.3%	2	2	53	53	53	68	2
	CUMBERLAND	$66,017	17	1.56%	62	$45,110	79	7.82%	29	187	42	332,553	16.8%	2	2	42	42	42	63	2
	CURRITUCK	$293,712	99	3.63%	80	$54,822	95	5.42%	94	368	99	24,506	9.9%	2	2	41	41	41	49	2
	DARE	$420,851	100	3.73%	81	$51,900	92	7.81%	30	303	85	35,273	10.4%	2	2	41	41	41	49	2
	DAVIDSON	$77,946	41	0.55%	48	$43,824	73	6.92%	60	222	62	163,400	15.2%	2	2	62	62	62	73	2
	DAVIE	$99,097	56	0.47%	45	$49,984	89	6.05%	84	274	76	41,507	13.0%	2	2	41	41	41	49	2
	DUPLIN	$66,508	18	2.76%	73	$36,075	31	7.35%	46	168	34	59,967	24.4%	2	2	34	34	34	47	2
	DURHAM	$104,194	61	5.60%	93	$50,889	90	5.42%	93	337	94	283,210	18.0%	3	3	94	94	94	95	3
	EDGECOMBE	$56,273	4	-1.25%	14	$32,002	10	11.51%	3	31	3	55,352	24.0%	1	1	3	3	3	32	1
	FORSYTH	$91,962	54	2.59%	72	$43,049	68	6.36%	77	271	75	360,226	17.6%	3	3	75	75	75	81	3
	FRANKLIN	$67,373	20	3.12%	76	$42,346	64	6.16%	82	242	69	62,222	15.4%	3	2	69	69	69	78	2
	GASTON	$68,350	21	1.66%	63	$41,614	59	6.94%	59	202	47	209,335	17.0%	2	2	47	47	47	65	2
	GATES	$72,544	30	-2.37%	7	$44,273	76	6.75%	67	180	40	11,880	18.2%	1	1	40	0	0	1	1
	GRAHAM	$141,385	86	-0.18%	31	$32,883	14	11.97%	2	133	25	8,854	17.3%	1	1	25	0	0	1	1
	GRANVILLE	$72,744	31	1.15%	58	$46,303	81	6.98%	57	227	65	54,973	14.3%	2	2	65	65	65	75	2
	GREENE	$55,373	3	-0.68%	22	$35,050	23	7.04%	54	102	15	19,102	22.1%	2	1	0	0	0	1	1
⇩	GUILFORD	$90,358	51	3.62%	79	$43,299	70	7.05%	53	253	71	507,419	16.9%	2	3	71	71	71	80	2
	HALIFAX	$70,556	24	-1.52%	10	$31,253	6	10.12%	4	44	5	52,727	25.3%	1	1	5	5	5	34	1
	HARNETT	$61,437	8	6.59%	98	$44,998	78	7.65%	33	217	59	122,333	16.4%	2	2	59	59	59	71	2
⇧	HAYWOOD	$121,541	75	1.41%	61	$40,022	53	5.57%	90	279	80	59,674	14.2%	3	2	80	80	80	84	3
	HENDERSON	$114,724	71	2.18%	70	$45,168	80	5.01%	96	317	87	109,287	13.5%	3	3	87	87	87	88	3
	HERTFORD	$61,565	9	-0.74%	20	$31,861	9	7.91%	28	66	9	23,188	25.0%	1	1	0	0	0	1	1
⇧	HOKE	$59,684	7	6.41%	97	$44,717	77	7.28%	49	230	67	50,183	21.9%	1	1	67	67	67	77	2
	HYDE	$210,015	94	1.96%	66	$35,301	27	7.93%	26	213	56	5,152	23.3%	1	1	0	0	0	1	1
	IREDELL	$122,933	77	3.26%	77	$49,666	87	6.47%	73	314	86	164,974	13.5%	3	3	86	86	86	87	3
	JACKSON	$240,463	97	1.15%	57	$37,049	38	5.88%	86	278	79	40,810	19.5%	1	1	0	0	0	1	1

Appendix 9
Graham County 911 Communications Fund Balance*

*Actual dollar amount may actually be $285,074.64 based upon email communication from the 911 Director

GRAHAM COUNTY

DETAIL ACCOUNT INQUIRY BY ACCOUNT

FY 2014-2015 07/01/2014 TO 06/30/2015

80-101-0200-00 WIRELESS 911

BAL FORWARD	YTD AMT	ACCT BAL
178,793.72	105,274.22	284,067.94

DATE	MOD	REFERENCE	JE # or VOUCHER#	CHECK#	DEBIT	CREDIT	BALANCE
		BALANCE FORWARD					178,793.72
07/03/2014	AP	WESTERN CAROLINA COMM. SYSTEMS 9587	14217	1389		550.50	178,243.22
07/31/2014	CA	DEP 2926 INTEREST - JULY			15.72		178,258.94
08/01/2014	AP	PRIORITY DISPATCH 101519	14525	1390		2,208.95	176,049.99
08/15/2014	AP	FRONTIER 828-189-0149 7/20	14744	1391		34,144.17	141,905.82
08/31/2014	CA	DEP 2927 INTEREST - AUGUST			13.59		141,919.41
09/08/2014	AP	FRONTIER 828-189-0165 8/20	15226	1392		934.70	140,984.71
09/30/2014	CA	DEP 2928 INTEREST - SEPT			12.40		140,997.11
10/07/2014	AP	FRONTIER 8281890149 9/20	15867	1393		937.15	140,059.96
10/07/2014	AP	GEOCONEX CORPORATION 1511	15754	1394		3,900.00	136,159.96
10/07/2014	AP	WESTERN CAROLINA COMM. SYSTEMS 10080	15843	1395		550.50	135,609.46
10/31/2014	CA	DEP 2929 INTEREST - OCT			11.71		135,621.17
11/06/2014	AP	FRONTIER 82818901650514075	16407	1396		929.40	134,691.77
11/25/2014	FL	POST REFUND FOR SALES TAX	959		6,066.83		140,758.60
11/30/2014	CA	DEP 2930 INTEREST - NOVEMBER			10.43		140,769.03
11/30/2014	AP	WESTERN CAROLINA COMM. SYSTEMS 10330	17070	1398	1,101.00		141,870.03
12/05/2014	AP	FRONTIER 828-189-0149-012102	16902	1397		925.02	140,945.01
12/08/2014	AP	WESTERN CAROLINA COMM. SYSTEMS 10330	17070	1398		1,101.00	139,844.01
12/31/2014	CA	DEP 2932 INTEREST - DEC			12.62		139,856.63
01/07/2015	AP	FRONTIER 82818901490121025	17502	1399		780.01	139,076.62
01/29/2015	AP	FRONTIER 01/20/2015	17906	1400	147.63		139,224.25
01/29/2015	AP	GEOCONEX CORPORATION 1582	17839	1402		270.17	138,954.08
01/29/2015	AP	PRIORITY DISPATCH 104084	17838	1403		700.00	138,254.08
01/30/2015	CA	DEP 2933 INTEREST - JAN			11.37		138,265.45
02/06/2015	AP	FRONTIER 01/20/2015	17906	1400		147.63	138,117.82
02/17/2015	AP	FRONTIER 02/13/2015	18063	1401		779.01	137,338.81
02/28/2015	CA	DEP 2934 INTEREST - FEB			10.51		137,349.32
03/05/2015	AP	FRONTIER 02/20/2015	18431	1404		1,705.27	135,644.05
03/11/2015	AP	WESTERN CAROLINA COMM. SYSTEMS 10568	18495	1405		550.50	135,093.55
03/27/2015	CA	DEP 2935 JUN 2014 - FEB 2015			148,974.39		284,067.94
		SUBTOTALS FOR ACCOUNT 80-101-0200-00 :			156,388.20	51,113.98	
					156,388.20	51,113.98	

From: Misty Hembree
To: Brent Boykin
Subject: fund balance and grant info
Date: Wednesday, March 25, 2015 2:57:59 PM

Brent,

911 fund balance 285,074.64 more than I thought was here!

Appendix 10
Graham County Board of Commissioners Vote of Support

Regular Meeting – January 20, 2015

The Graham County Board of Commissioners met Tuesday, January 20, 2015 at 5:30 p.m. for their regular monthly meeting in the Graham County Courthouse-Courtroom located at 12 North Main Street Robbinsville NC. All commissioners was present.
Chairman Eller called the meeting to order.
Chairman Eller asks Commissioner Cody to give the Invocation.
Chairman Eller asks Commissioner Orr to lead the Pledge of Allegiance.
Chairman Eller asks for approval of the agenda. Commissioner Orr made the motion to approve the agenda. Commissioner Nelms seconded this motion. Vote unanimous.
Chairman Eller asks for approval of the regular and workshop minutes for December 15, 2014. Commissioner Orr made the motion to approve the minutes as stated. Commissioner Gibson seconded this motion. Vote unanimous.
Chairman Eller asks Rebecca Garland, Finance Officer for the finance report. Ms. Garland stated that the county closed the month of December with a $6.267 million dollar cash balance in the general fund which is up from this time last year and she was very proud of this balance which will allow us to borrow money if needed for bonds or large purchases. Ms. Garland stated that our tax collections for the month was slightly higher at $1.133 million for real but the DMV was lower at $19 thousand compared to $39 thousand from this time last year. Our overall collection rate is higher this year at 78.89% compared to last year of 76.97% which is good news. Ms. Garland stated that the tax office is still pursuing the back taxes through foreclosures and garnishments. Ms. Garland stated that our revenues for December was $1.561 million and our expenditures was $891 thousand leaving us a surplus of $670 thousand which is always great news. Ms. Garland stated that our year to date surplus at the present time is $1.237 million. Ms. Garland stated that our sales tax collections for December was down for the month of December which is disappointing but we are hopeful that this number will rebound back in January.
Ms. Garland stated that she did have a budget amendment for approval. Budget Amendment #11 to amend for additional general purpose funds approved for Senior Center in the amount of $5,191.00. Commissioner Cody made the motion to approve this amendment. Commissioner Orr seconded this motion. Vote unanimous.
Ms. Garland stated that she had a request from the Health Department to purchase planters and two greenhouses from a diabetes grant at an approximate cost of $1800.00. Commissioner Orr asks if all the funds are grant monies. Ms. Garland stated that all the money is 100% grant funded. Commissioner Orr made the motion to approve the expenditure. Commissioner Cody seconded this motion. Vote unanimous.
Ms. Garland stated that she needed to get the board's approval to close out the old Sheriff's bank accounts and open new accounts for our newly elected Sheriff Danny Millsaps. Commissioner Orr made the motion to close out all the old accounts from the previous sheriff and open new accounts for our newly elected Sheriff Danny Millsaps. Commissioner Nelms seconded this motion. Vote unanimous.
Ms. Garland stated that our newly elected Sheriff had also requested a credit card and she further stated that he had agreed to the pre-auditing requirements and she was not opposed to his having the credit card. Commissioner Orr made the motion to allow the Sheriff to have the credit card. Commissioner Gibson seconded this motion. Vote unanimous.
Ms. Garland stated that the Sheriff had also requested to subscribe to the Leads Online which links his office to the Pawn shops in our area and the cost is $2500.00. Ms. Garland stated that the office has been using a trial version for a year but would like to purchase the software. Commissioner Orr made the motion to allow the purchase. Commissioner Nelms seconded this motion. Vote unanimous.
Ms. Garland stated that she needed permission for the EMS Director to attend the NC Association of EMS Conference in Wilmington in February which is $107.00 per night. Commissioner Orr made the motion to approve the travel. Commissioner Nelms seconded this motion. Vote unanimous.
Ms. Garland stated that the Extension Office has an old copier that needed to be surplus and a local copier company would like to receive it for parts. Commissioner Orr made the motion to surplus the copier at the Extension Office for parts. Commissioner Gibson seconded this motion. Vote unanimous.
Ms. Garland stated that it was time for the new EMS Billing Rates to come in and she wanted to know the board's desire in changing to the new rates. Ms. Garland asks that the board consider adopting the new 2015 Prevailing Rates so that the county will not lose any monies when these rates changes take place. Commissioner Orr made the motion to adopt the new 2015 Prevailing EMS Rates. Commissioner Cody seconded this motion. Vote unanimous.
Ms. Garland stated that some discussion needed to be made educating the public on what the costs are concerning the ambulance fees. Ms. Garland stated that we have a lot of confusion on treat and non-transport or if the call is after hours versus during the hours that the clinic is open. Ms. Garland felt that the county should put an article in the paper with the prices to educate the public on what the charges are if you call an ambulance. The board all agreed to the article in the paper to educate the public on the charges. The board discussed the possibility of looking into grants to pay for a crew that does house checks which could help with the number of no transports. Ms. Garland stated that she would draft the ad and let the board approve it at the next meeting and then put it in the Graham Star.
Chairman Eller asks for public comment. No public comment was given.
Chairman Eller asks Misty Hembree to speak. Ms. Hembree stated that she was here to present the Phase I to the NC 911 Grant Application Support and Program Management for $11,450.00 by Mission Critical Partners which provides the NC 911 Grant Compliance services to include preparation of the grant submission, grant budget, schedule and other required reporting and presentations. Ms. Hembree stated that she felt this was a really good opportunity and this would be a stand alone facility and with the many changes coming along certain things are critical. Ms. Hembree stated that the 911 Board sets the rates and this is the best time to go for this money in her opinion and at this time all the county is required to do is to get the site ready. Commissioner Orr stated that

she has been speaking with legislation on making the 911 monies more flexible to the counties and she agrees with Ms. Hembree that the time to try for the monies is now. Ms. Garland stated that this was a very wise move in her opinion and she felt that we have a very good chance of receiving the funds to build the facility. Commissioner Orr made the motion to allow Mission Critical Partners to begin Phase 1 of the NC 911 Grant Application Support and Program Management. Commissioner Nelms seconded this motion. Vote unanimous.

Chairman Eller asks Manager Cable to present the discussion and action items. Manager Cable stated that the board had $1,447.80 in Releases and $554.47 in Discoveries for the month of January 2015. Commissioner Nelms made the motion to approve the releases and discoveries. Commissioner Orr seconded this motion. Vote unanimous.

Manager Cable stated that the board had four polls that was taken in December and they were:

Gift card to employees taken 12/15/2014

Part time dispatcher Tina Millsap's 12/15/2014

Move Jacob Nelms into Environmental Health due to Chad Burchfield's resignation

Changer Order #1 on DSS repairs for sound system, front doors leading into community room, remove overhand on sides of room and install new lighting.

Commissioner Orr made the motion to approve the polls as stated. Commissioner Gibson seconded this motion. Vote unanimous.

Manager Cable stated that he has been speaking with Chairman Eller on looking into the possibility of obtaining some surplus vehicles from NCDOT. Manager Cable stated that the county was in need of a dump truck and an inmate work truck and we would be able to obtain these vehicles at low prices. Chairman Eller stated that he had a man looking for us but the vehicles would not be junked vehicles but would be dependable. The board was in favor of the manager proceeding with inquiring about these vehicles.

Manager Cable asks the board's pleasure about insulating the rest of the DSS building. Clerk Crisp had installed pictures of the difference in the new insulation of the roof versus the old and the frost was holding on the new part and the heat was leaving the building on the old part of the building so the county was losing money every day in heating the building. The board agreed to bid the job out now.

Manager Cable stated that he had several board replacements due to the commissioner board change and he would follow the attached list in order. Manager Cable stated that the board's needing a new member are noted in red. Those boards are:

Board of Equalization and Review. Commissioner Orr made the motion to keep the commissioner board as the Board of Equalization and Review. Commissioner Nelms seconded this motion. Vote unanimous.

Community Child Protection Team. Commissioner Nelms made the motion to appoint Commissioner Orr. Commissioner Cody seconded this motion. Vote unanimous. Commissioner Orr made the motion to appoint the Sheriff's choice for the Deputy position. Commissioner Gibson seconded this motion. Vote unanimous.

GC HCCBG Committee. Commissioner Cody made the motion to appoint Keith Eller and Jacob Nelms to the board. Commissioner Gibson seconded this motion. Vote unanimous.

Grounds Committee. Commissioner Orr made the motion to appoint Commissioner Gibson. Commissioner Nelms seconded this motion. Vote unanimous.

JCPC. Commissioner Orr made the motion to appoint Commissioner Nelms. Commissioner Gibson seconded this motion. Vote unanimous.

Sanitation Board. Commissioner Orr made the motion to appoint Commissioner Eller and Commissioner Cody. Commissioner Nelms seconded this motion. Vote unanimous.

SW LTC County Advisory. Commissioner Nelms made the motion to appoint Commissioner Orr. Commissioner Gibson seconded this motion. Vote unanimous.

SW Region A Aging Advisory. Commissioner Gibson made the motion to appoint to appoint Commissioner Cody. Commissioner Eller seconded the motion. Vote unanimous.

Travel and Tourism Authority. Commissioner Nelms made the motion to reappoint Revonda Williams for a one year term. Commissioner Eller seconded this motion. Vote unanimous.

Manager Cable stated that he needed approval for Andy Cable to submit the application to NC Department of Commerce for Oak Valley Hardwood. Commissioner Eller made the motion to allow Economic Director Andy Cable to submit the application to NC Department of Commerce for Oak Valley Hardwood for the Building Reuse Grant as presented in the workshop session. Commissioner Nelms seconded this motion. Vote unanimous.

Manager Cable stated that Commissioner Orr wanted approval from the board to allow her travel to Raleigh on February 3rd and 4th for the NCACC Board of Director's Meeting. The board all agreed to the travel.

Manager Cable stated that he needed to surplus one of the K-9 dogs at the Sheriff's department due to medical problems. Manager Cable stated that one of the prior deputies who was his handler was willing to take the K-9 if the board would allow him to take the dog. Commissioner Cody made the motion to surplus the K-9 and allow the Sheriff to make the decision as to where the K-9 goes. Commissioner Nelms seconded this motion. Vote unanimous.

Manager Cable stated that the county has several vehicles that needed to be surplus and the sheriff had comprised a list of the vehicles from his department. Manager Cable stated that we needed to use the most effective way to dispose of the vehicles whether by trade or scraping the vehicles. Chairman Eller stated that the school had asked the Sheriff for one of the vehicles to work on in their class. Commissioner Cody asks if he could have one of the older vehicles for a crash vehicle to train his rescue squad. The board was in agreement to these requests. Commissioner Cody made the motion to surplus the vehicles in the county on the printout by the Sheriff and others as agreed upon by Chairman Eller and Manager Cable. Commissioner Gibson seconded this motion. Vote unanimous.

Manager Cable stated that he had a quote to have the DSS Community Room floors cleaned for $1000.00 from Mountain Fresh Floor Care. Manager Cable felt that this should be done since the room was being redone before the chairs and tables were put back into the room. Commissioner Nelms made the motion to allow the floors to be cleaned. Commissioner Gibson seconded this motion. Vote unanimous.

Manager Cable stated that a conference was coming up again concerning PILT and this is a crucial funding stream of revenue not only for us but for our schools as well and he wanted the board's direction on whether they wanted him to go to Washington again and speak on this subject. Ronnie Beale, Commissioner in Macon County and the President of the NCACC has asked him to attend the conference and he needed the board's guidance. Commissioner Cody stated that he was all for our county attending this conference and we do need this funding to continue. Chairman Eller stated that he felt that Manager Cable needed to attend and it did help last time and we did need our voice in Washington. Commissioner Eller stated that Graham County needs to be heard each time on this subject and we were heard the last time on this subject and if Ronnie Beale thinks that Manager Cable should go then we need to send him. Commissioners Gibson and Commissioner Nelms agreed as well that he should go. Commissioner Cody made the motion to allow Manager Cable to travel to Washington to represent Graham County on the PILT Funding and for our Secure Rural Schools. Commissioner Nelms seconded this motion. Vote unanimous.

Manager Cable gave an update on the legislative conference in Pinehurst and stated that 90 counties had attended and all the counties are tired of the unfunded mandates being handed down from the legislature. Manager Cable stated that the counties submitted their goals and one of the goals that they submitted to the legislation was to stop the unfunded mandates. Other goals that they submitted was they did not want road maintenance responsibility, they wanted lottery funds restored, more flexibility on broadband to entice telecom companies to locate in our rural communities, and more flexibility in our 911 funding. Manager Cable stated that the meeting went well and a lot of good things will come out of the meeting he felt and he looks forward to the upcoming year of 2015.

Chairman Eller asks for further comment. No further comment was given.

Chairman Eller asks for a motion to go into closed session under G.S. 143-318.11(A) (1) (3) (6) for privileged or confidential information, attorney-client privilege, personnel and contracts. Commissioner Nelms made the motion to go into closed session as stated. Commissioner Gibson seconded this motion. Vote unanimous.

Commissioner Nelms made the motion to go back into open session. Commissioner Gibson seconded this motion. Vote unanimous.

Commissioner Cody made the motion to hire Melissa Crisp as the Senior Center Cook. Commissioner Gibson seconded this motion. Vote unanimous.

Commissioner Cody made the motion to hire Shaun Garrison as the 911 Data Addressing Coordinator at $11.00 with a 6 month evaluation with a possible raise to $11.50. Commissioner Gibson seconded this motion. Vote unanimous.

Commissioner Gibson made the motion to raise Krystina Ford's rate of pay to $19.50 due to her reclassification of her job from Public Health Nurse I to Public Health Nurse II and the pay grade is 72 and approved by the North Carolina Office of Human Resources and is within our county pay scale. Commissioner Cody seconded this motion. Vote unanimous.

Commissioner Gibson made the motion to raise Jacob Nelms rate of pay to $20.00 due to his reclassification of his job to Environmental Health Program Coordinator after the position became vacant with the resignation of Chad Burchfield. The pay grade will be 72 and is approved by the North Carolina Office of Human Resources and is within our county pay scale. Commissioner Cody seconded this motion. Vote unanimous.

The board gave a directive to the Manager Cable to allow Commissioner Orr to take the Raleigh trip for the NCACC.

Manager Cable stated that he had received estimates on the fencing for the transfer station and the approximate cost is $30,350.00 for the fencing and the gate is $1,150.00. Manager Cable stated that we have six months to install the fencing after the purchase of the property but this was with the understanding that the county received the donated property so we are unsure where we need to install the fencing due to the fact that Manager Cable had spoken with Herve Cody and he did not want the fencing in the center of the property. Manager Cable stated that the donated property has not been recorded and this was part of the agreement when the county bought the property. Chairman Eller stated that we would need to decide on the fencing soon.

Commissioner Nelms made the motion to adjourn. Commissioner Gibson seconded this motion. Vote unanimous.

_____

Keith Eller, Chairman, Graham County Commissioner

_____

Jacob Nelms, Vice-Chairman, Graham County Commissioner

_____

Lynn Cody, Member, Graham County Commissioner

_____

Ricky Gibson, Member, Graham County Commissioner

_____

Connie Orr, Member, Graham County Commissioner

ATTEST:

_____

Kim Crisp, Clerk to the Board

Appendix 11
Intent of Support (Swain County to Graham County)

From:	David Breedlove
To:	(larry.hembree@ncmail.net)
Cc:	"misty.hembree@leo.gov"; Misty Tabor; Kevin S. King
Subject:	Graham County backup PSAP
Date:	Tuesday, January 20, 2015 9:40:27 AM

Larry,

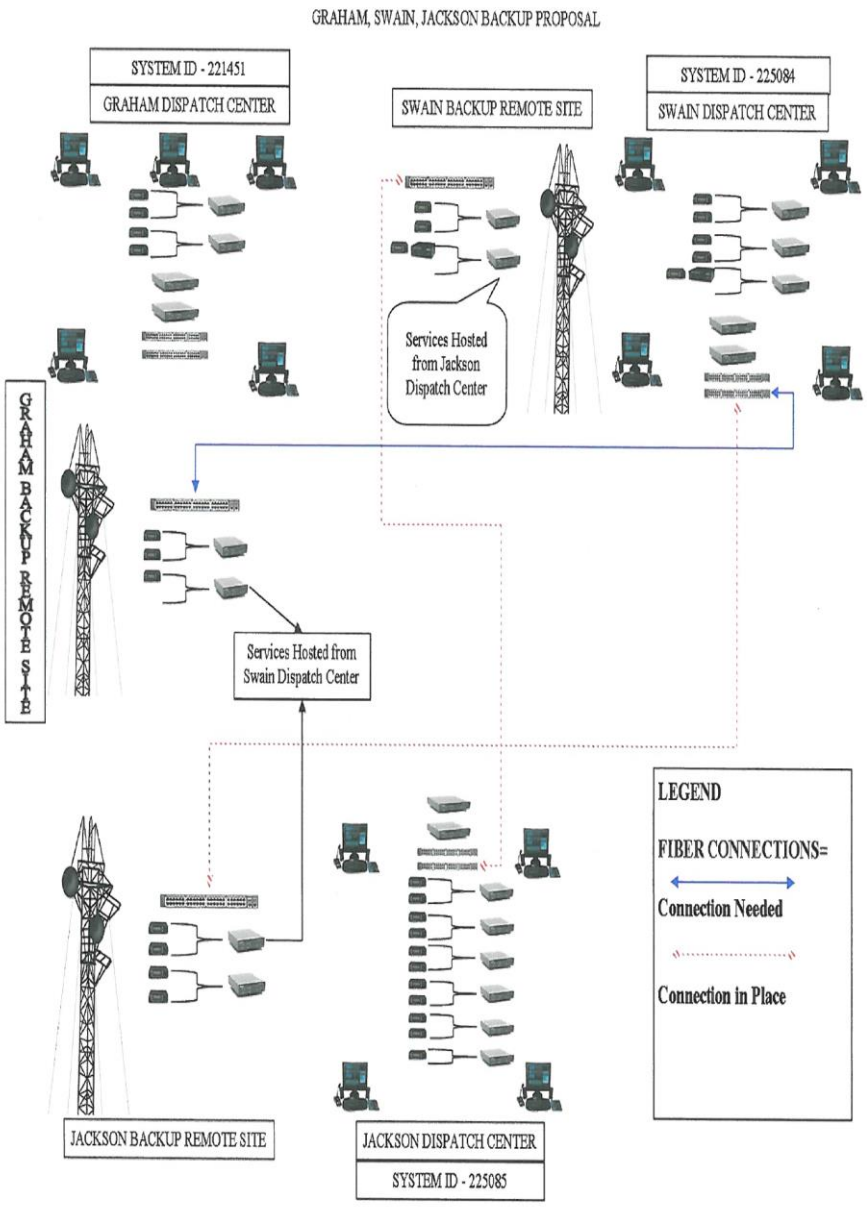
Swain County is open to working with Graham County to serve as a backup Public Safety Answering Point(PSAP).
We are currently working with Jackson County to serve as backup for Swain and Jackson. Having Graham County 911 in the loop, would strengthen our back up situation by having another path for calls, should a 911 center go down.

I feel strongly that interconnecting the 911 centers for back up purposes is a cost effective way to meet the State 911 Board's
mandate of each center being required to have a backup center by 2016.

Working together seems to be a much better alternative to having a brick and mortar backup center.

David Breedlove
Emergency Services Director
828 488-6021
davidb@swaincountync.gov

Appendix 12
Radio Connectivity Proposal



Appendix 13
Facility Programming

AREA SUMMARY

TOTALS		NSF	Grossing Factor	GSF	Total
1	**DISPATCH / 9-1-1**	3434	29 %	1147	4581
2	**IT SUPPORT / EQUIPMENT ROOMS**	1964	11 %	280	2244
	Subtotal	**5398**	**6 %**	**1426**	**6824**
	Building GSF @ 10%			682	
	TOTAL 9-1-1 BUILDING AREA	**5398**		**2109**	**7507**

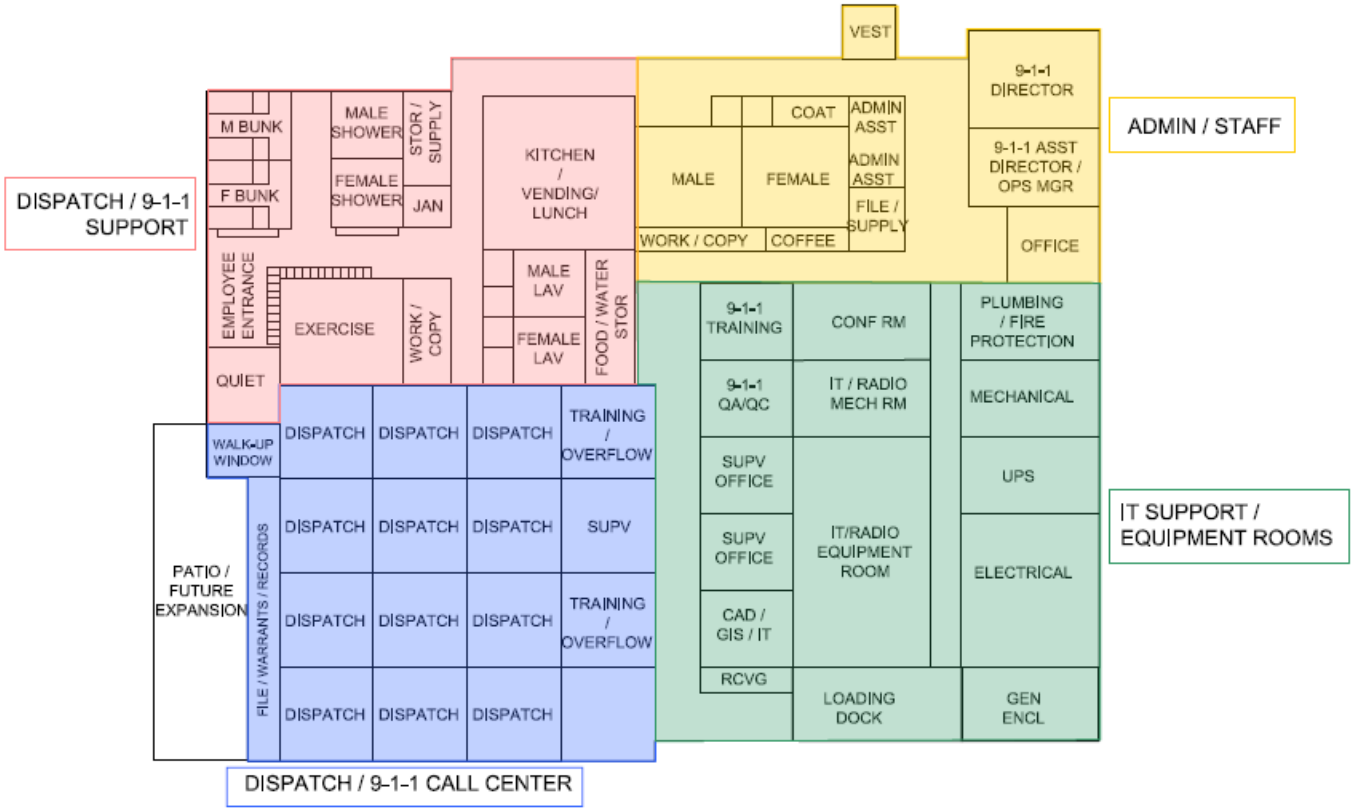
	Low	Mid	High
	$250/Sq Ft	$300/Sq Ft	$350/Sq Ft
OPINION OF PROBABLE COSTS	$ 1,876,710	$2,252,052	$2,627,394

			Space Code	Area/ Unit	Units	NSF	Grossing Factor		GSF	Total
1										
1.0	**DISPATCH / 9-1-1**	**BUILDING ADJACENCIES**								
1.1	9-1-1 Manager			150	1	150	35	%	53	203
1.2	Telecommunicators			150	5	750	35	%	263	1013
1.3	Telecommunicators (Expansion)			150	2	300	35	%	105	405
1.4	Training/QA			150	1	150	35	%	53	203
1.5	GIS/Mapping Office			150	1	150	35	%	53	203
1.6	Toilet Rooms			72	2	144	35	%	50	194
1.7	Break Room			400	1	400	30	%	120	520
1.8	Day Room - Men			100	1	100	30	%	30	130
1.9	Day Room - Women			100	1	100	30	%	30	130
1.10	Quiet Room / Decompression			100	1	100	35	%	35	135
1.11	Conference/EOC Room			220	1	220	35	%	77	297
1.12	Copy/Storage/Work Area			220	1	220	35	%	77	297
1.13	Showers/Lockers			200	2	400	35	%	140	540
1.14	Bulk Food/Water Storage			150	1	150	25	%	38	188
1.15	Storage/Supplies			100	1	100	25	%	25	125
					Subtotal	**3434**	**29**	**%**	**1147**	**4581**

			Space Code	Area/ Unit	Units	NSF	Grossing Factor		GSF	Total
2										
2.0	**IT SUPPORT—EQUIPMENT ROOMS**	**BUILDING ADJACENCIES**								
2.1	911/IT/Radio Equipment Room			400	1	400	10	%	40	440
2.2	911/IT/Radio: Equipment Receiving			64	1	64	50	%	32	96
2.3	IT Work Area			48	1	100	45	%	45	145
2.4	Main Power Distribution			400	1	400	10	%	40	440
2.5	UPS Rooms			200	1	200	10	%	20	220
2.6	Emergency Generator			200	1	200	10	%	20	220
2.7	Mechanical/Plumbing Room/Fire Protection			400	1	400	10	%	40	440
2.8	Maintenance/Custodial Storage			150	1	150	25	%	38	188
2.9	Janitorial Closet			50	1	50	10	%	5	55
					Subtotal	**1964**	**11**	**%**	**280**	**2244**

NOTES:

Appendix 14
Typical PSAP Floor Plan



Appendix 15
Budgetary Quotes

Generator and UPS Quote

CP ELECTRIC

JOB ESTIMATE

Charles Proctor
PO Box 1814
Sylva, NC 28779

(828)507-1964

TO:
MISTY HEMBREE
GRAHAM COUNTY 911 CALL CENTER
ROBBINSVILLE, NC 28771

JOB DESCRIPTION
30 KVA UPS SYSTEN 100 KW DIESEL GENERATOR

ESTIMATE: TIME AND MATERIALS	AMOUNT
30 KVA 120/208 VOLT UPS SYSTEM 4 HR. RUN TIME INSTALLED COMPLETE FOR A WORKING SYSTEM	$110,000.00
30 KVA SYSTEM WITH 3 HR RUN TIME	$85,000.00
100 KW DIESEL GENERATOR INSTALLED COMPLETEWITH TANK AND ALL WORK NEEDED FOR AN OPERATING SYSTEM	$76,000.00
TOTAL ESTIMATED JOB COST	

This is an estimate only, not a contract. This estimate is for completing the job described above, based on our evaluation. It does not include unforeseen price increases or additional labor and materials which may be required should problems arise.

Charles Proctor
PREPARED BY

MARCH 19 2015
DATE

Balsam West Fiber Connectivity Quote

Company:	Graham Co. Government
Attention:	Mistie Hembree
Address:	12 N. Main St., Robbinsville, NC 28771
Phone:	828-479-7985 828-735-0068 - Cell
Email:	misty.hembree@graham.org
Date:	2/19/2015
Exp.Date:	3/19/2015
Quote #	GCG911021915LH
BWFN Code:	

Thank you for your interest in BalsamWest FiberNET's Network. We are pleased to provide a quote for the services listed below. Please contact us with any questions you may have.

A Location Address	Z Location Address	Service	Off Net	ON Net	MRC	NRC	Term
Graham Co. 911 70 W. Fort St. Robbinsville, NC	BW POP 45 Plateau St. Bryson City, NC	10 MB Transport Unprotected	N	Y	$713.00	$2,802.00	3 Year
"	"	"	"	"	$673.00	$2,057.00	5 Year

Notes: This circuit will provide back-up connectivity to the Swain and Jackson 911 facilities.

Confidential

Radio and Tower Quote

Western Carolina Comm Systems, Inc.
Post Office Box 488
Sylva, NC 28779

Voice: 828-586-0611
Fax: 828-586-0451

QUOTATION

Quote Number: 2320
Quote Date: Mar 16, 2015
Page: 1

Quoted To:

Graham Co. Communications
Attn: Accounts Payable
12 North Main Street
Robbinsville, NC 28771

Customer ID	Good Thru	Payment Terms	Sales Rep
GCC911	4/15/15	Net 15 Days	

Quantity	Item	Description	Unit Price	Amount
		GENERAL CONTRACTOR TO SET TOWER BASE		
1.00	ZETRON	ZETRON CONSOLE (SPECIAL ORDER)	105,830.00	105,830.00
7.00	NXB-MB	M/B WITH POWER SUPPLY AND HOUSEING	2,140.00	14,980.00
1.00	DESC	TK-5910 VIPER INTERFACE	3,224.25	3,224.25
1.00	431411	GROUND BAR	123.73	123.73
1.00	HHD	HHD 80' SELF SUPPORTING TOWER.	15,980.59	15,980.59
1.00	77703	77" X 19" BUD RACK, BLACK.	220.35	220.35
4.00	75855	VHF, BA1012, OMNI FG BASE ANTENNA	464.31	1,857.24
1.00	DESC	VIPER ANTENNA	563.95	563.95
5.00	440562	2 FOOT TOWER STANDOFF BRACKET	159.95	799.75
625.00	LMR-600	LMR-600 1/2" COAX CABLE 86672	2.09	1,306.25
7.00	85394	FLANGE ARRESTOR N/F ***65935***	77.65	543.55
5.00	85399	UHF MALE FOR LMR-600	37.00	185.00
1.00	32013	POLYPHASER, 125-1000 MHz. N FEMALE N FEMALE.	103.00	103.00
12.00	29019	N MALE CONNECTOR LMR-600	22.00	264.00
5.00	95040	COLD SHRINK LMR400-ANTENNA	34.58	172.90
16.00	23207	MALE CRIMP CONNECTOR PL259	4.25	68.00
1.00	MISC HARDWARE	MISC HARDWARE	500.00	500.00
80.00	481111	WIRELESS GROUNDING WIRE	1.62	129.60
2.00	411166	RACK MOUNT POWER STRIP	67.24	134.48
5.00	91160		16.45	82.25
2.00	302240	TESSCO, 4" PORT WAVEGUIDE ENTRIES.	49.29	98.58
			Subtotal	Continued
			Sales Tax	Continued
			TOTAL	**Continued**

Western Carolina Comm Systems, Inc.
Post Office Box 488
Sylva, NC 28779

Voice: 828-586-0611
Fax: 828-586-0451

QUOTATION

Quote Number: 2320
Quote Date: Mar 16, 2015
Page: 2

Quoted To:

Graham Co. Communications
Attn: Accounts Payable
12 North Main Street
Robbinsville, NC 28771

Customer ID	Good Thru	Payment Terms	Sales Rep
GCC911	4/15/15	Net 15 Days	

Quantity	Item	Description	Unit Price	Amount
1.00	MISC HARDWARE	CRANE RENTAL	2,500.00	2,500.00
1.00	LABOR	LABOR	20,500.00	20,500.00
1.00	SHIPPING	SHIPPING	1,500.00	1,500.00
			Subtotal	171,667.47
			Sales Tax	10,203.80
			TOTAL	**181,871.27**

SOUTHERN SOFTWARE, INC.
an employee-owned company

Graham County 911, NC

Proposals

March 17, 2015

Total CAD	$181,382.00
Total Hardware	$81,576.00
TOTAL	**$262,958.00**

Contact information for Public Safety Representative:

Mike Moody
Southern Software
150 Perry Drive
Southern Pines, NC 28387

Business:	**800.842.8190**
Mobile:	**910.603.3481**
Fax:	**910.695.0251**
E-Mail	**mmoody@southernsoftware.com**

Agency:

Contact: Date:

Graham County 911, NC

Misty Hembree 3/17/2015

SOUTHERN SOFTWARE, INC.
an employee-owned company

CAD SOFTWARE		Qty	
CAD - Full Positions		4	$64,000.00
CAD - Additional Admin Positions		1	$8,000.00
CAD with MDS - For EOC		4	FREE
CAD Reporting Station		1	$1,000.00
Preliminary CAD Build		1	$4,500.00
Wireless Messaging (CAD Paging) with 5 Additional Connectors		1	$8,000.00
Mapping Display System (MDS)		4	$20,000.00
Mapping Display System (MDS) - Admin Positions		1	$1,995.00
Map Centric Addressing (MCA)/Geo Backoffice		1	$9,995.00
Evaluation of GIS/911 Centerline Base Map		1	$3,250.00
CAD interface for NCIC		1	$6,000.00
PSAware	SITE	1	*NO SOFTWARE COST*
		Total Software:	**$126,740.00**

Project Management Fee - including Installation, Training and Project Management

Total Project Management: **$27,942.00**

PROJECT MANAGEMENT

YEARLY SUPPORT/SUBSCRIPTIONS			
CAD	24/7 SUPPORT	1	$8,450.00
Mapping Display System (MDS)	24/7 SUPPORT	1	$5,500.00
Map Centric Addressing (MCA)	8:30-5, M-F	1	$1,250.00
CAD Wireless Messaging	24/7 SUPPORT	1	$750.00
CAD Interface for NCIC	24/7 SUPPORT	1	$1,250.00
PSAware Subscription	Over 200; Site	1	$9,500.00
		Total Support:	**$26,700.00**

NOTE: MICROSOFT® SQL SERVER 2008™ R2 IS REQUIRED.

PROJECT MANAGEMENT

TOTAL INVESTMENT (STATE TAX AND SHIPPING NOT	$181,382.00

NOTE: PROPOSAL DOES NOT INCLUDE PROVISIONS FOR DATA CONVERSION, DATA IMPORT, OR FIELD MAPPING (WITH EXCEPTION OF INITIAL BUILD WHICH INCLUDES MSAG, ESN, INTERSECTIONS AND ADDRESSES THAT ARE PROVIDED TO US IN NENA STANDARD FORMAT AS APPLICABLE. NOTE: DISPATCH ZONES AND LANDMARKS WILL BE VIEWED ON A CASE BY CASE BASIS DEPENDING ON THEIR FORMAT.)

PROJECT MANAGEMENT

Proposal of software is valid for (60) days from date of proposal.

Proposal of hardware is valid for (30) days from date of proposal.

PROJECT MANAGEMENT

Software includes (30) days of free support, including all updates.

PROJECT MANAGEMENT

Management fees include training, installation, and project management.

Southern Software will install its software products only on computer configurations compatible with these products. Hardware specifications are available upon request.

SOUTHERN SOFTWARE, INC.
an employee-owned company

Agency: Graham County 911, NC
Contact: Misty Hembree
Date: 3/17/2015

HARDWARE		Qty	
Server	PowerEdge R320, Intel® Xeon® E-24XX v2 Processors	2	$33,232.00
Warranty & Service	3 Year ProSupport and NBD On-site Service		
Add-in Network Adapter	On-Board Broadcom 5720 Dual Port 1Gb LOM		
Embedded Systems Management	Basic Management		
Chassis Configuration	3.5" Chassis with up to 4 Cabled Hard Drives and Embedded SATA		
RAID Configuration	SW RAID 5 for S110 (3-4 SATA HDDs) with Cabled Chassis		
RAID Controller	S110, Software RAID (for Microsoft OS Only)		
Processor	Intel® Xeon® E5-1410 v2 2.80GHz, 10M Cache, Turbo, 4C, 80W, Max Mem 1333MHz		
Memory Capacity	(4) 16GB RDIMM, 1600MT/s, Low Volt, Dual Rank, x4 Data Width		
Memory DIMM Type and Speed	1600MT/s RDIMMS		
Memory Configuration Type	Performance Optimized		
Hard Drives	(4) 1TB 7.2K RPM SATA 3Gbps 3.5in Cabled Hard Drive		
System Documentation	Electronic System Documentation and OpenManage DVD Kit for R320		
Internal Optical Drive	DVD+/-RW, SATA, Internal for 4HD Chassis		
Rack Rails	ReadyRails™ Sliding Rails Without Cable Management Arm		
Power Supply	Dual, Hot-plug, Redundant Power Supply, 350W		
Power Cords	(2) NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord		
Operating System	Windows Server® 2012R2,Standard Ed,Factory Inst,No MED,2SKT,2VM,NO CAL		
OS Media Kits	Windows Server® 2012R2,STD Ed,Media Kit w/Factory Inst STD DGRD Images		
Database Software	Microsoft®SQL Server™2014 STD - 10 CALS		
Client Access Licenses	(2) 5-pack of Windows® Server 2012 User CALs (Standard or Datacenter)		
Antivirus	Symantec Corporate Edition - 10 CALS		
Console	Dell 18.5 in 1U Rackmount LED KMM Console - English Language Keyboard - TAA Compliant		
UPS	APC UPS 1500		
Backup Software	Nova Backup Business Essentials V. 16		
Hard Drives	Qty 3 (3) - 500 GB/TB Hard Drive		
Removable Storage	PowerVault RD1000		
Dell Networking 2824 Switch	PowerConnect 2824, 24 1GbE Ports, 2 Ports with SFP option, Web Managed		
Rack	Tripplite 25u Enclosure		
Roll of Cable	1000' Cable		
*****Neverfail (Note: first year support included; 2nd year support payable to Neverfail = $850)**		1	$5,200.00
Workstations	Dell Precision Tower 5810 CTO Base	5	$24,875.00
Operating System	Windows 7 Professional 64-bit English/French/Spanish (Includes Windows 8.1 Pro license)		
Memory	32GB (4x8GB) 2133MHz DDR4 RDIMM ECC		
Keyboard	US English (QWERTY) Dell KB212-B QuietKey USB Keyboard Black		
Video Card	Dual NVIDIA® Quadro® NVS 310 512MB (2cards w/ 2DP each) (4DP-DVI adapter)		
Hard Drive	2TB 3.5" Serial-ATA (7,200 RPM) Hard Drive		
HDD/Storage Controller	Integrated Intel AHCI chipset SATA controller (6 x 6.0Gb/s) - SW RAID 0/1/5/10		
Mouse	Dell MS111 USB Optical Mouse		
Network Card	1Gbit NIC add-in card (PCIe- Intel)		
CD ROM/DVD ROM	16X DVD+/-RW Drive		
Sound	Creative Sound Blaster Recon3D Sound Card		
Power Cords	US 125V Power Cord		
Documentation/Disks	Safety/Environment and Regulatory Guide (English/French Multi-language)		
Hardware support service	3 Years ProSupport with Next Business Day Onsite Service		
Chassis Options	Dell Precision Tower 5810 425W TPM Chassis		
Processor	Intel® Xeon® Processor E5-1607 v3 (4C, 3.1GHz, 10M, 140W)		
Dell Data Protection |Encryption Se	No DDPE Encryption Software		
Internal Hard Drive Configuration	C1 SATA 3.5 Inch, 1-2 Hard Drives		
Chassis intrusion switch	Chassis Intrusion Switch		
Storage Volume	Boot drive or boot volume is less than 2TB		
Packaging	Dell Precision Packaging		
Multi-Select Monitor	Qty Three (3) - Dell UltraSharp 24 Monitor - U2414H		
Microsoft Application Software	Microsoft® Office Professional 2013, English, French and Spanish		
Non-Microsoft Application Softwar	Dell Applications Windows 7		

Workstations (cont.)

OS Recovery	Windows 8.1 English OS Recovery - DVD
Dell backup recovery	Dell Backup and Recovery Basic
External Speakers	Dell AC511 Stereo USB SoundBar
Extension Cables	Extension Cables
UPS	APC UPS 650

Semi- Rugged Laptops	Getac S400 - SB6DB5DABDKX Model + 8GB RAM	3	$7,344.00
Intel i5-4210M 2.6GHz Processor, 3MB Cache, 8GB DDR3 RAM, 500GB HDD, 800 NITs Multi-Touch Touchscreen Display, Mechanical Backlit Keyboard, 802.11ac Wireless, Bluetooth, Express Card 54/34, Smart Card, SD Card Reader, TPM, Low Temp -20C, IP5X, WIN7 Pro 64-bit, 3 Year Warranty			
GPS Unit	GPS Unit	1	$75.00

Total Hardware: **$70,726.00**

INSTALLATION

Installation

INSTALLATION

INSTALLATION OF HARDWARE

INSTALLATION

Total Project Management: **$6,100.00**

INSTALLATION

YEARLY SUPPORT

Hardware Support

INSTALLATION

YEARLY SUPPORT

24/7 HARDWARE SUPPORT FOR SERVER, WORKSTATIONS AND LAPTOPS PROPOSED.

INSTALLATION

YEARLY SUPPORT

1 YEAR

Total Support: **$4,750.00**

INSTALLATION

YEARLY SUPPORT

TOTAL INVESTMENT (STATE TAX AND SHIPPING NOT $81,576.00

Proposal of hardware is valid for (30) days from date of proposal.

MARCH 30, 2015

Carolina Recording Systems, LLC
SALES PROPOSAL

GRAHAM COUNTY COMMUNICATIONS

ROBBINSVILLE, NORTH CAROLINA

PROPOSAL FOR: GRAHAM COUNTY EMERGENCY SERVICES

PO Box 11311
Charlotte, NC 28220
derrick.duggins@crsnc.com
(919) 302-2297

Carolina Recording Systems, LLC

Misty Hembree
Graham County Communications
70 West Fort Hill
Robbinsville, NC 28771

Misty,

Carolina Recording Systems is pleased to present this proposal for a mission critical voice logger for Graham County Communications. This proposal details our recommended approach to meet and exceed the County's recording needs and requirements.

Carolina Recording Systems prides itself in offering a relationship focused service to each of our customers. Headquartered in North Carolina we are easily accessible to Graham County with a commitment to provide full-time certified technicians with minimal response times when servicing routine maintenance requests and mission critical emergency needs.

Carolina Recording Systems brings to this project over 14 years of recording experience as a company along with a team possessing decades of experience and knowledge of technical solutions as well as operational knowledge of best practices from the user perspective.

We thank you and look forward to the continued relationship built with your organization. If there are any questions you may have regarding this proposal or our company, please feel free to reach out and contact us.

Respectfully submitted,

Derrick Duggins
Carolina Recording Systems

CAROLINA RECORDING SYSTEMS

COMPANY BACKGROUND

Carolina Recording Systems is a leading distributor, installer, and service provider of communication recording systems. Operating since 2001, we pride ourselves in providing reliable products designed specifically to meet the needs and requirements of mission-critical call centers.

Knowing the importance of personal relationships, customer service and accessibility, our primary focus is being a high touch service provider to fill a void we see in our industry. Carolina Recording Systems continues to add local service technicians even as others continue the trend of diminishing that support.

Our continued success as a solutions provider is attributed to our company's ability to:

- specialize in selling, installing, and servicing communication recording systems designed specifically for mission-critical call centers.
- only focus on recording systems and solutions, which allows us extensive knowledge of the products and the industries we serve.
- be the trusted expert of recording systems and solutions for our customers.
- provide and service multiple solutions in order to provide customized approach.
- continually monitor and evaluate manufacturers' developments.
- ensure our technicians are certified and continue to receive up-to-date vendor training.
- always do what is right.

CRS full-time technicians provide comprehensive on-site service and training and are strategically located throughout our geographic territory. Although we believe there is no substitute for on-site visits, we do have the capabilities to do remote-in work and provide 24/7 response.

Our relationship focus keeps us thoroughly involved in national and local APCO and NENA chapters thus providing an opportunity to stay abreast of the latest industry needs and opportunities.

GRAHAM COUNTY COMMUNICATIONS

SYSTEM REQUIREMENTS

The following recording requirements were discovered for the Graham County Communications based on verbal discussions. Specific requirements and recommended solutions will be determined by a future scheduled site visit:

RESOURCES TO BE RECORDED

Qty	Resource	Method
4	Radio Channels	Analog
4	Radio Consoles	Analog
1	VIPER Radio	Analog
5	E911 Trunk Lines	Analog
4	Phone Consoles	Analog
3	Admin Phone Lines	Analog
4	CAD Consoles Screen Record	Screen Record
2	Mobile Laptop	Screen Record

CRS SOLUTION

To fulfill the recording requirements of Graham County Communications, we are proposing the Eventide NexLog communications recording system. This specific solution recommendation has been crafted to provide the highest level of redundancy, security, and usability to record up to 32 total audio channels.

Qty	Purpose
1	32 Channel NexLog 740 Recorder
1	Front-Panel Display
1	8 pack MediaWorks Plus Web Client Concurrent Users
1	NENA ANI/ALI CAD Spill Integration or SMDR
1	24 port GPIO PCI Contact Closure Card/Cable Kit
1	45 Baud Analog TTY Decoder for TDD & SMS-911
1	Screen Recording for 5 PC Workstations
1	(Optional) GeoFence Search and View Location on Google Maps
1	(Optional) Quality Factor Call Evaluation (20 Agents, 2 Evaluators)
1	(Optional) 5 Additional Screen Recording Licenses for total of 10 PC Workstations

THE EVENTIDE NEXLOG 740

A purpose-built Linux operating system configured with multiple levels of resilience, including dual hot-swap redundant power supplies, redundant hard disk drives, redundant network capability (via NIC bonding), and multiple choices for archive redundancy and network archiving to another NexLog recorder. **Eventide's recording systems are designed, assembled, tested and supported exclusively in the USA.**

Configuration, playback, retrieval, and incident management is accessed via a secured web interface. The web-based application eliminates the need for software to install or updates to manage. The system can also be accessed over a VPN without the need to install additional software, creating a simplified PC deployment process.

A multi-tier security system controls user access based on role and channel assignments. Password policy options include complexity enforcement, automatic aging, change reminders, expiration, and lock-out. System access can also be controlled by an SMB share or active directory. In addition, each user's access and actions are audited and available for review.

THE INTEGRATED 7" COLOR LCD TOUCH SCREEN DISPLAY

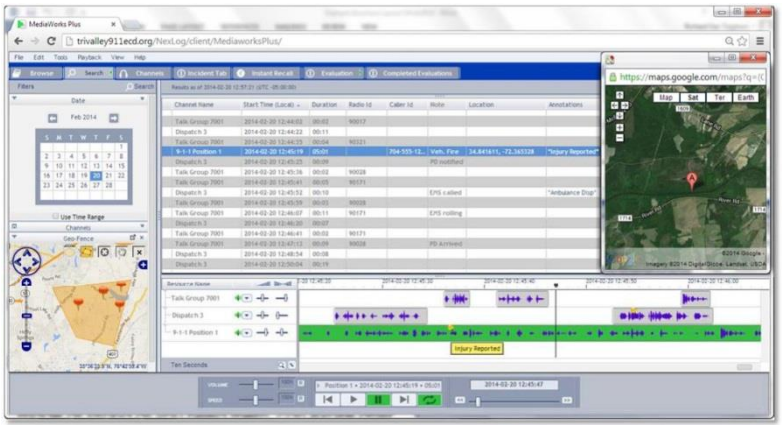
Provides convenient control and replay at the server's front panel. Users can view the current status of each channel and each archive, receive visual and audible alerts, live monitor channels, and fully administer the configuration manager software. This feature also serves as an interface for direct connection to the recorder in the event of a network failure.

HOT SWAP RAID STORAGE (3TB-RAID5)

Combines multiple disk drive components into a logical unit for the purpose of data redundancy and performance improvement. Data is distributed across the drives. Upon failure of a single drive, subsequent reads can be calculated from the distributed parity such that no data is lost**.**

MEDIAWORKS PLUS

Browser-based software provides a comprehensive set of easy-to-use tools for search, replay, instant recall, incident reconstruction and call export. Capabilities include live call monitoring, multi-parameter search, multiple-call replay via graphical time-line with pan/zoom, waveform displays, variable-speed replay, drag and drop into incident tabs, call notes, text annotations, redaction, obfuscation, and protection. The incident reconstruction software helps users quickly find and export recordings via email, DVD or Blu-Ray.



IDENTITY PROTECTION

The voice obfuscation and redaction tool allows the user to modify and export recordings with silence, beep tones, and increased volume in the selections you choose. It also allows the pitch of the dispatcher or caller's voice to be altered for privacy purposes. The original call is left in its original, unaltered form for legal authenticity verification. This feature was designed specifically to assist PSAPs with meeting Freedom of Information Act request, while still complying with the NC General Statute § 132‑1.4 concerning identity protection.

ANI/ALI TAGGING

ANI/ALI Tagging is done on all incoming ANI/ALI information to the console positions. ANI would be tagged to the console phone position recording and is captured via the NENA standard CAD interface.

TTY/TDD DECRYPTION

Allows the system to decode the baudot codes from TTY/TDD calls. The system will store the decoded text for search and incident recreation. TTY/TDD decoding also captures and stores SMS messages sent via the "SMS to 9-1-1" interim standard.

CONTACT CLOSURE DETECTION

Provides definitive start and stop commands to the recorder so back-to-back calls at the console are recorded as individual interactions. Recordings begin at the exact moment a call is answered and terminate as soon as the call is released, which eliminates the problem associated with VOX triggering where calls are merged into single recordings or separated due to silence.

SCREEN RECORDING

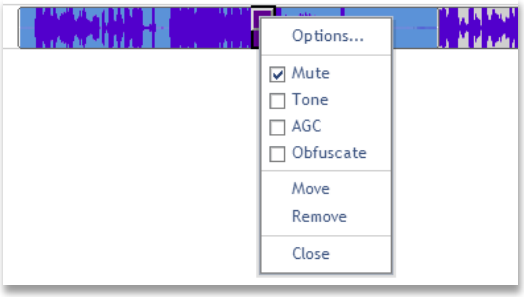
Captures desktop PC activity, including multimedia interactions which can be viewed along with the calls for training, verification, incident recreation, and exporting.

GEO-FENCE SEARCH (OPTIONAL)

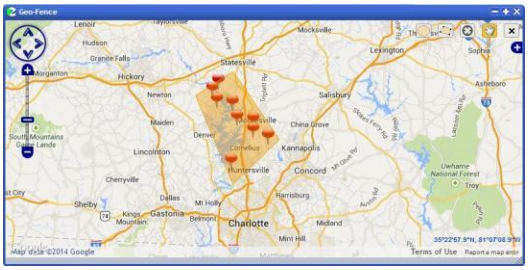
Utilizes Google Maps and allows searching by a polygonal geographic area or circular radius. All calls/radio transmissions with a latitude/longitude can be displayed in real time on a heat/saturation map. Local proprietary maps can be added/utilized as well for an additional fee.

QUALITY FACTOR (OPTIONAL)

Quality Factor is call evaluation software that helps managers evaluate and quantify call taker proficiency in each area of performance specific to a communications center. Quality Factor includes an Evaluation Form builder to quickly design forms that identify key performance results on an individual, shift, and center basis. Quality Factor helps focus on areas that need improvement, provide analytical support data to bolster budgetary requests, and address citizen or government quality/performance inquiries.


Options...
Mute
Tone
AGC
Obfuscate
Move
Remove
Close

Channel 13 Fri Feb 21 2014 02:58:08 GMT-0500 (Eastern Standar...
9-1-1, WHATS YOUR EMERGENCY?
I FELL ON SOME ROCKS AND HURT MY ANKLE REAL BAD WHILE HIKING. I DON'T KOW IF ITS BROKE BUT I CANT GET BACK DOWN THE MOUNTAIN.


Geo-Fence
Charlotte
Map data ©2014 Google
Terms of Use

NETWORK ATTACHED STORAGE

3TB Network Attached Storage Server is for data backup and redundancy. This offline storage provides the capacity to backup retention needs for audio and video recordings.

OFFICIAL GSA QUOTE

The following 3 pages are the official quote provided by Carolina Recording Systems.

We are pleased to be able to extend GSA discounted pricing, the use of the GSA contract has been a welcome offering due to meeting most formal and informal County, City and State acquisition guidelines.

Pages 1 and 2 contain the summary quote showing each item with its applicable GSA discount.

Page 3 shows individual items broken down with their GSA Special Item Numbers (SIN). This information, as well as the information below can be used by your purchasing department to verify Eventide, Inc.'s participation with the General Services Administration

> *Eventide, Inc. is listed with the General Services Administration (GSA) and their Federal Acquisition Service (FAS) as an authorized contractor for IT Equipment, Software, and Services. The attached proposal is based on the federal GSA Contract number GS-35F-0415V, which is flagged for Cooperative Purchasing.*
> *The Cooperative Purchasing program allows the federal contract to be used by State and Local government (reciprocal agreement), which alleviates the need to go through a redundant bid process.*
>
> ***Contract# GS-35F-0415V***
>
> *Direct Verification Link to their Profile:*
>
> *http://www.g saelibrary.gsa.g ov/ElibMain/contractorInfo.do?contractNumber=GS -35F- 0415V&contracto rName=EVENTIDE+IN C.&executeQue ry= Y ES*
>
> *They are listed under the following procurement categories:*
> *IT Schedule 70*
> *SIN 132-8 PURCHASE OF EQUIPMENT*
> *FSC CLASS 7010 - SYSTEM CONFIGURATION*
> *FSC CLASS 7025 - INPUT/OUTPUT AND STORAGE DEVICES*

Carolina Recording Systems, LLC PO Box 11311
Charlotte, NC 28220

QUOTE

FOR: 32-Channel NexLog Communications Recording System

Graham County 911 Communications
70 West Fort Hill
Robbinsville, NC 28771

Misty Hembree
828-479-4847
misty.hembree@grahamcounty.org

FOR: 32-Channel NexLog Communications Recording System

Date	**03/30/2015**
Valid Through	**06/30/2015**

Estimated Delivery	Terms	GSA Contract Number	Quote Number
4 to 6 Weeks	Net 30	GSA Contract NO. GS-35F-0415V)	CRSQ1561

Line	Qty	Model	Description	Unit Price	Ext. Price
1			**32-Channel Communications Recording System**		

2	1	NexLog740	NexLog 740 Logging Recorder This Eventide NexLog recording server will be configured to record up to 32 Analog channels and is expandable to 96 total recording channels. The 3U rack-mount recording chassis contains 3TB of RAID5 storage and a Linux Operating System. Recording Solution Includes: - Front-Panel Display - Central Storage of Incidents - Redaction - Comprehensive Search - Instant Recall - Screen Capture - Real-Time Monitor - Contact Closure Detection - TTY/SMS-to-911 -ANI/ALI Metadata Integration	$31,540.00	$31,540.00
3	1	NAS-3TB	Network Attached Storage Server - 3TB RAID5, Quad Core Processor, 4GB RAM, Windows Server 2012.	$4,995.00	$4,995.00
4			**Equipment List Price:**		**$36,535.00**
5	1	XXXX	Professional Services: Includes pre-installation site survey, installation, testing and unlimited training.	$2,500.00	$2,500.00
6			**Solution Total:**		**$39,035.00**
7			**GSA Discount** **(Based on GSA Contract Number GS-35F-0415V)**		-$4,731.00
8			**SOLUTION TOTAL:**		**$34,304.00**

Derrick Duggins Phone: 1-888-776-0202
Fax: 1-888-776-0201
E-mail: sales@crsnc.com Help Desk : (888) 661-0202

FOR: 32-Channel NexLog Communications Recording System

Installation Notes:
Customer's radio and telephone vendors should provide the proper inputs, identified and terminated within 6 feet of the recorder's physical location.

Warranty Notes:
System comes with one year warranty parts and labor with 24/7 onsite response.

FOR: 32-Channel NexLog Communications Recording System

Carolina Recording Systems, LLC PO Box 11311
Charlotte, NC 28220

QUOTE

FOR: 32-Channel NexLog Communications Recording System

Graham County 911 Communications
70 West Fort Hill
Robbinsville, NC 28771
Misty Hembree
828-479-4847
misty.hembree@grahamcounty.org

FOR: 32-Channel NexLog Communications Recording System

Date	**03/30/2015**
Valid Through	**06/30/2015**

Estimated Delivery	Terms	GSA Contract Number	Quote Number
4 to 6 Weeks	Net 30	GSA Contract NO. GS-35F-0415V)	CRSQ1561

Line	Qty	Model	Description	Unit Price	Ext. Price
9			**Recommended Options with Applicable Nominal GSA Pricing**		
10	1	271077	Call Evaluation base-level software (20 Agents, 2 Evaluators)	$1,495.00	$1,495.00
11	1	271098	GeoFence Search and View Location on Google Maps	$995.00	$995.00

12	1	271071	Additional Screen Recording System License for 5 Additional PC Licenses	$425.00	$425.00

Derrick Duggins Phone: 1-888-776-0202
Fax: 1-888-776-0201
E-mail: sales@crsnc.com Help Desk : (888) 661-0202

FOR: 32-Channel NexLog Communications Recording System

Installation Notes:
Customer's radio and telephone vendors should provide the proper inputs, identified and terminated within 6 feet of the recorder's physical location.

Warranty Notes:
System comes with one year warranty parts and labor with 24/7 onsite response.

FOR: 32-Channel NexLog Communications Recording System

Graham County 911 Eventide Recording System

(Based on GSA Contract NO. GS-35F-0415V)

Part Number	Description	Quantity	List Price (Each)	List Price (Extended)		GSA Price (Each)	GSA Price (Extended)
NexLog 740							
List Total ($31,540.00) - GSA Total ($26,809.00) = GSA Discount of $4,731.00							
NexLog740	NexLog 740 base system: 3U rack-mount, Intel Core2 Quad CPU, Dual NIC, Embedded Linux, NexLog base software, web-based configuration manager. **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	1	$7,995.00	$7,995.00		$6,795.75	$6,795.75
105301	Integrated 7" Color LCD Touch Screen Display **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	1	$1,295.00	$1,295.00		$1,100.75	$1,100.75
105314	Upgrade to 4 x 1TB Hot Swap h/w-RAID5 = 3TB storage **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	1	$2,880.00	$2,880.00		$2,448.00	$2,448.00
105321	One DVD-RAM Drive **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	1	$0.00	$0.00		$0.00	$0.00
108233-000	Dual hot-swap power supplies, 120/240VAC **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	1	$0.00	$0.00		$0.00	$0.00
108109	Rack Mount Slides - 2 Post Center Mt., 3U (for NexLog 740) **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	1	$450.00	$450.00		$382.50	$382.50
105284-024	24-Channel Analog Card, 24 Ch. Licenses **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	1	$6,000.00	$6,000.00		$5,100.00	$5,100.00
105284-008	8-Channel Analog Card, 8 Ch. Licenses **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	1	$2,700.00	$2,700.00		$2,295.00	$2,295.00
109033-003	Quick Install Kit (9ft. Connector Cable & Punch Block) **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	2	$220.00	$440.00		$187.00	$374.00
108121	24 port GPIO PCI Contact Closure Card/Cable Kit **SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025**	1	$795.00	$795.00		$675.75	$675.75
209029	NENA ANI/ALI CAD Spill Integration or SMDR **SIN: 132-33, FSC CLASS: 7010**	1	$3,495.00	$3,495.00		$2,970.75	$2,970.75
271083	MediaWorks Plus (Web Client) Concurrent Access for 8 users **SIN: 132-33, FSC CLASS: 7010**	1	$995.00	$995.00		$845.75	$845.75
271101	45 Baud Analog TTY Decoder for TDD & SMS-to-911 **SIN: 132-33, FSC CLASS: 7010**	1	$1,995.00	$1,995.00		$1,695.75	$1,695.75
271070	Screen Recording system license w/ 5 PC licenses **SIN: 132-33, FSC CLASS: 7010**	1	$2,500.00	$2,500.00		$2,125.00	$2,125.00
Peripherals							
NAS-3TB	Network Attached Storage Server - 3TB RAID5, Multi- Core Processor, 4GB RAM, Windows Server 2012. **#N/A**	1	$4,995.00	$4,995.00		$4,995.00	$4,995.00
Professional Services							
XXXX	Professional Services: includes pre-installation site survey, installation, testing and unlimited training **Open Market Item**	1	$2,500.00	$2,500.00		$2,500.00	$2,500.00

Item Sub-Total **$39,035.00** **$34,304.00**

Total Solution GSA Discount = **$4,731.00**

Recommended Options with Applicable Nominal GSA Pricing							
271077	Call Evaluation base-level software (20 Agents, 2 Evaluators) **SIN: 132-33, FSC CLASS: 7010**	1	$1,495.00	$1,495.00		$1,270.75	$1,270.75

271098	GeoFence Search and View Location on Google Maps **SIN: 132-33, FSC CLASS: 7010**	1	$995.00	$995.00		$845.75	$845.75
271071	Additional Screen Recording system license for 5 Additional PC licenses = 10 Total PC Licenses **SIN: 132-33, FSC CLASS: 7010**	1	$500.00	$500.00		$425.00	$425.00
			Item Sub-Total	**$2,990.00**			**$2,541.50**

Total Solution GSA Discount = **$448.50**

Carolina Recording Systems

THE NETWORK TEAM

5101 Sugar and Wine Rd.
Monroe, NC, 28110
980.263.2850

PRELIMINARY CONFIGURATION AND PRICE QUOTE

CUSTOMER: Graham County Government
PROJECT: GCG-15-911 Office Switching
DATE: 3/23/2015

LINE	MANU PART #	DESCRIPTION	QTY	UNIT COST	EXT COST
Infrastructure					
1	WS-C3650-24PS-S	Cisco Catalyst 3650 24 port Switch PoE+	1	$2,998.00	$2,998.00
2	CON-SNT-WSC3652S	SmartNet 8x5xNBD for Cisco 3650 Switch	1	$296.00	$296.00
3	GLC-LH-SMD=	Cisco SFP Module - 1 Gbps	2	$608.00	$1,216.00
4	CP-7942G=	Cisco 7942G IP Phone	4	$279.00	$1,116.00
				INFRASTRUCTURE TOTAL:	$5,626.00
Installation					
5	Labor	Professional Labor for Setup and Installation	10	$125.00	$1,250.00
6	Per Diem	Per Diem (as established by GSA)	1	$129.00	$129.00
				INSTALLATION TOTAL:	$1,379.00
				PROJECT TOTAL:	$7,005.00

NOTES:
- Labor times shown are most-likely case estimates.
- Ship: Generally, all product can ship in less then 5 business days from order date.
- Price Quote Valid: 30 Days.
- FOB: TNT, Charlotte, NC.
- Terms: Prepaid.
- Prices Subject to Change without notice.
- This Price Quote is Company Confidential and intended only for TNT and Graham County Government employees.

THE NETWORK TEAM

5101 Sugar and Wine Rd.
Monroe, NC, 28110
980.263.2850

PRELIMINARY CONFIGURATION AND PRICE QUOTE

CUSTOMER: Graham County Government
PROJECT: GCG-15-Axis Cameras
DATE: 3/27/2015

LINE	MANU PART #	DESCRIPTION	QTY	UNIT COST	EXT COST
Axis Cameras					
1	0476-001	AXIS P3364-LVE Network Camera	6	$983.00	$5,898.00
2	0485-001	AXIS P3364-LV Network Camera	4	$786.00	$3,144.00
3	IPS04-4000-ELPR	EXACQVISION Network Surveillence Server - 4TB	1	$2,607.00	$2,607.00
4	EVIP-01	EXACQVISION IP Camera License	6	$110.00	$660.00
				PROJECT TOTAL:	**$12,309.00**

NOTES:
- Labor times shown are most-likely case estimates.
- Ship: Generally, all product can ship in less then 5 business days from order date.
- Price Quote Valid: 30 Days.
- FOB: TNT, Charlotte, NC.
- Terms: Prepaid.
- Prices Subject to Change without notice.
- This Price Quote is Company Confidential and intended only for TNT and Graham County Government employees.

THE NETWORK TEAM

5101 Sugar and Wine Rd.
Monroe, NC, 28110
980.263.2850

PRELIMINARY CONFIGURATION AND PRICE QUOTE

CUSTOMER: Graham County Government
PROJECT: GCG-15-Monitors
DATE: 3/27/2015

LINE	MANU PART #	DESCRIPTION	QTY	UNIT COST	EXT COST
Monitors					
1	42LS33A-5B	LG 42" LED-backlit LCD display 1080p Monitor	2	$631.00	$1,262.00
2	ESA746PU	PEERLESS Articulating Mount	2	$198.00	$396.00
				PROJECT TOTAL:	**$1,658.00**

NOTES:
- Labor times shown are most-likely case estimates.
- Ship: Generally, all product can ship in less then 5 business days from order date.
- Price Quote Valid: 30 Days.
- FOB: TNT, Charlotte, NC.
- Terms: Prepaid.
- Prices Subject to Change without notice.
- This Price Quote is Company Confidential and intended only for TNT and Graham County Government employees.

Office Furniture and Chairs

Miller at Work
PO Box 5508
High Point, NC 27262

Ack# **GC-002-1**

Ship Date: **Terms: 2%10net30**

To: **Graham County 911 Center**
70 West Fort Hill Road
Robbinsville, NC 28771
PH: 828-479-7885
FAX: 828-478-6599
Email: misty.hembree@grahamcounty.org
Attn: Misty Hembree

Ship To: **Graham County 911 Center**
70 West Fort Hill Road
Robbinsville, NC 28771
PH: 828-479-7885
Attn: Misty Hembree

P O Number	Date	Product	Qty	Price	Total
GC-002	4/1/2015	74-7236-1-MA-RTA	3	$918.00	$2,754.00
		74-4822-RET-MA-RTA	2	$660.00	$1,320.00
		74-4822-BR-MA-RTA	1	$420.00	$420.00
		74-7222-SP-MA-RTA	1	$840.00	$840.00
		74-7015-HU-MA	3	$750.00	$2,250.00
		74-LF2-MA	1	$694.80	$694.80
		74-LFT4-MA	2	$1,050.00	$2,100.00
		74-14448-CT-MA-RTA	1	$2,500.00	$2,500.00
		Rilla 329-WB-MA/F2 Fabric	4	$469.80	$1,879.20
		Rilla Side 326-WB-MA/F2 Fabric	12	$330.00	$3,960.00
		SPM-01-IW01	5	$440.10	$2,200.50
				SUBTOTAL	**$20,918.50**
				FREIGHT	**$975.00**
				TOTAL	**$21,893.50**

Remit To:
Miller at Work
PO Box 5508
High Point, NC 27262
336-883-1302
336-883-1304 (Fax)
davidmiller@milleratwork.com

GeoConex Corporation
6923 Maynardville Pike
PMB# 109
Knoxville, TN 37918

Your Connection for Life.

Budgetary Quote

Date	Estimate #
3/16/2015	2927

Name / Address
Graham County NC 911 12 North Main Street Robbinsville, NC 28771

Rep	Project

Item	Description	Qty	Cost	Total
ZETRON/3300TelSys/10.01.2008	ZETRON MAX E911 4 Position Telephone System plus 2 Backup Positions	1	177,340.00	177,340.00
	MAX Call-Taking Call Controller Bundle - 1 24 Port 10/100, 8 POE Rack Mount Switch - Manufacturer: Cisco - 2 MOXA IP to serial converter - 4 MAX Call Taking Gateway, 4 port FXS (CAMA) - 2 MAX Call Taking Gateway, 12 port FXO - 2 MAX 3 Color Audible Stack Light - 1			0.00
	MAX CT Work Station Bundle (With out PC) - 1 Media Dock, 1 Speaker, 1 Power Supply, 1 SIP Telephone and 1 Headset Jackbox Interface. Licenses: 1CT Workstation License. All manuals are included in soft copy format with MAX Software. - 4			0.00
	MAX CT Work Station License (With out PC) Licenses: 1CT Workstation License. All manuals are included in soft copy format with MAX Software. - 2			
	Telephone/Radio Headset Interface (TRHI) included is radio quote MAX Call-Taking TRHI Cable Required for the use of a Telephone Radio Headset Interface (TRHI) - 4			0.00
	MAX Call-Taking TDD License - 6 MAX Call-Taking Event Recall (IRR) License - 6 MAX Call Taking Base PBX System - PBX Telephone System - 1 MAX Call-Taking PBX SIP Phone License (Per Phone) - 4 One per administrative phone is required. SIP Enabled Phone - 4			0.00
ZETRON/Inst/ALICon/01.01.2009	Installation service for ZETRON MAX 911 phone system	12	950.00	11,400.00
ZETRON/Training/01.01.2009	Onsite Training on ZETRON System	2	950.00	1,900.00
T&E/T&E/N/STANDR/N/01.01.2007	Travel Expenses	14	200.00	2,800.00
HDW/SHP/SHIPPING/01.01.2007	Shipping	1	1,150.00	1,150.00
	Subtotal ZETRON MAX E911 Telephone System			194,590.00
	Hardware			0.00
			Total	

Phone #	Fax #
865.686.0411	865.686.0046

Customer Signature

GeoConex Corporation
6923 Maynardville Pike
PMB# 109
Knoxville, TN 37918

Your Connection for Life.

Budgetary Quote

Date	Estimate #
3/16/2015	2927

Name / Address
Graham County NC 911 12 North Main Street Robbinsville, NC 28771

Rep	Project

Item	Description	Qty	Cost	Total
HDW/RACK/KVMConsole/07.01.2...	TRIPP LITE 8-Port Rackmount Console KVM Switch Steel with 17-Inch LCD Screen, Touchpad and Keyboard 1URM (B020-008-17) or equivalent	1	1,330.00	1,330.00
HDW/RACK/S/4postCab/07.31.20...	Four Post Rack Cabinet, U2 Shelf Tray, Wiring Manager	1	1,422.00	1,422.00
HDW/WKS/MID2Graph/11.13.2012	HP Z420 Workstation w/ 600W 90% Efficient Chassis, Genuine Windows 7 Professional, Intel® Xeon Processor, HP 8GB (2x4GB) DDR3-1333 ECC RAM, 2 NVIDIA Quadro 310 512MB Graphics to support up to 4 monitors, HP SATA 7200 1st Hard Drive, 16X DVD+/- RW SuperMulti SATA (1st), HP USB Standard Keyboard, HP USB optical scroll mouse, 3 years parts, 3 years labor, & 3 years onsite service (3/3/3) standard warranty. HP Air Cooling Solution, HP Protect Tools™ security software, HP 1x Standard Heatsink Thermal Kit	4	1,516.00	6,064.00
HDW/MON/HPZ22i/1.2.2014	HP Z22i 21.5-inch IPS Display, 1920x1080 with DVI-D; VGA; DisplayPort connector (HDCP support on DisplayPort and DVI-D), 3/3/3 warranty	4	231.24	924.96
WAR/HDW/HP/259308/10.01.2008	HP - 9x5 next business day onsite - 5 yrs, workstation only	4	241.80	967.20
HDW/LAP/HPEliteBook850/3.9.2...	HP EliteBook 850 G1 Notebook PC, business rugged construction features a full magnesium alloy chassis, magnesium/aluminum display enclosure, metal alloy hinges, brushed aluminum with platinum finish; designed to meet the military standard Mil-Std-810G for vibration, dust, humidity, altitude, and high and low temperature operation	2	1,561.20	3,122.40
HDW/LAP/DocSta230/07.29.2010	HP 230W Docking Station	2	185.00	370.00
WAR/HDW/HP/Laptop5yr/10.11.2...	9x5 Next Business Day On-Site Coverage, 5 years - Laptop	2	330.12	660.24
HDW/Firewall/TZ215/8.31.2012	SonicWall TZ 215	1	845.00	845.00
HDW/FIREWAL/CGS/10.20.2009	SonicWall Comprehensive Gateway Security Suite (3 years)	1	875.00	875.00
HDW/MSC/OTHER/01.01.2007	Other network supplies	1	500.00	500.00
HDW/SHP/SHIPPING/01.01.2007	Shipping	1	129.00	129.00
	Subtotal Hardware			17,209.80
	****Options****			0.00
	AT&T may require the installation of a new model of modems, if so two of the following items will need to be added.			0.00
ZETRON/VerilinkModem/8.2.2010	Verilink 6911S Modem for use with E-911 phone systems	2	975.00	1,950.00
	Subtotal Options			1,950.00
	Extended Service and Hardware Warranty Options			0.00
			Total	

Phone #	Fax #	Customer Signature
865.686.0411	865.686.0046	

GeoConex Corporation
6923 Maynardville Pike
PMB# 109
Knoxville, TN 37918

Your Connection for Life.

Budgetary Quote

Date	Estimate #
3/16/2015	2927

Name / Address
Graham County NC 911 12 North Main Street Robbinsville, NC 28771

Rep	Project

Item	Description	Qty	Cost	Total
ZETRON/MAXCTWar/8.26.2011	One Time Cost - Hardware Warranty on ZETRON MAX - Years 2 - 5	0	24,827.60	0.00
ZETRON/MAXCTWar/8.26.2011	One Time Cost - Software Warranty on ZETRON MAX - Years 2 - 5	0	26,601.00	0.00
ZETRON/MAXCTWar/8.26.2011	One Time Cost - Onsite Service by GeoConex on ZETRON MAX - Years 2 - 5	0	18,000.00	0.00
ZETRON/MAXCTWar/8.26.2011	Annual Cost - Hardware Warranty on ZETRON MAX - 1 Year	0	7,093.60	0.00
ZETRON/MAXCTWar/8.26.2011	Annual Cost - Software Warranty on ZETRON MAX - 1 Year	0	7,093.60	0.00
ZETRON/MAXCTWar/8.26.2011	Annual Cost - Onsite Service by GeoConex on ZETRON MAX - 1 Year	0	4,500.00	0.00
			Total	$213,749.80

Phone #	Fax #
865.686.0411	865.686.0046

Customer Signature _____

From: Herman Miller Store <hmstore@hermanmiller.com>
Date: April 6, 2015 at 9:08:34 AM EDT
To: <misty.hembree@grahamcounty.org>
Subject: RE: Contact Us Form: Other {51844}

Request Update	View the complete request history

Good Morning Misty,

Thank you for contacting the Herman Miller Online Store!

Attached is the pricing that you requested. You are able to see where this pricing came from by going to the Aeron Chair page on our website:
http://store.hermanmiller.com/Products/Aeron-Chair

Request Update	View the complete request history

Herman Miller does not manufacture a headrest for the Aeron Chair. Our research has shown that when the back is in alignment, your shoulders and neck will naturally also fall into alignment. When your back, neck and shoulders are in alignment, your head is then fully supported eliminating the need for a headrest.

Based on your specifications, the Aeron Chair would be $969 per chair without shipping or taxes. Four chairs would come to $3,876 without shipping or taxes.

Please let me know if you have any other questions, I am happy to help.

Request Update	View the complete request history

Kind regards, Jessica
888.798.0202

desienceDispatch

Console Pricing Summary

Graham County Dispatch Center
(4) Desience Dispatch Height Adjustable Consoles

Services Include:

- Design layouts & console configurations
- Survey of requirements & objectives
- Equipment checklist, space planning and floor plans
- CAD drawing packages and revisions
- Photo realistic color renderings & sign off
- Dedicated Support Representative & Dedicated Project Manger
- Coordinate with architectural, design and construction firm.
- Coordinate with data/electrical/technology providers to assure project completed on time and within budget
- Establish project timelines & attend project meetings
- Delivery & Installation checklist
- Fully assemble & stage console configurations prior to shipment
- Specialized packaging & transportation carriers
- Russ Bassett Certified Installers
- Installation Survey

Each Console Includes:

- Personal Environment System (Filtered Air & Forced Air Heat)
- (5) Fully Articulating Monitor Arms
- Led Task Light
- (4) Desktop Convenience Outlets (Duplex power outlet and (4) customizable data ports)
- Box/Box/File or Drawer Pedestal
- CPU Storage Cabinets with Slide Out Shelf

Product Total:	$15,200.00 per Console
Freight & Installation Services:	$12,000.00

russbassett

8189 Byron Road · Whittier · CA · 90606 · 562.945.2445 Tel · 562.698.8972 Fax · www.russbassett.com · www.desiencedispatch.com

Appendix 16
Technology Budgetary Summary

Technology Systems	Cost Estimate	Comments / Notes
Admin Telephone System	$7,005.00	Estimated by Graham County. County system for offices, conference, and training room
9 911 Telephone System	$213,749.80	Zetron Max E911 4 position telephone System plus 2 Backup Positions.
Radio Console System and 80′Tower	$181,871.27	Hardware, Software, Tower and all required equipment. Quote from Western Carolina Communications
CAD Hardware and Software	$262,958.00	Hardware, Software for Southern Software CAD - 4 position/ 2 mobile laptops.
Logger-Recorder	$34,304.00	32 Channel NexLog 740 Logging Recorder-quote Carolina Recording System
Net Clock	$11,301.00	Estimate from Graham County for new hardware/software and installation.
Console Workstation	$72,800.00	Quote from Russ Bassett for four (4) workstations and installation.
Chairs for Workstations (4)	$3,876	Quote by Herman Miller to supply four (4) workstation chairs for Dispatch
Office Furniture/chairs	$21,893.50	Quote -Miller at Work. Office furniture for Conference,Training, and Offices
Fiber Connectivity to Swain County	$42,437.00	Quote-Balsam West. Allows fiber connection to create redundant path to Swain.
IT Equipment	$91,000.00	Estimate by MCP. Network switchgear/hardware to support the PSAP's mission.
Generator	$76,000	Quote from CP Electric-turn- key solution
UPS	$110,000.00	Quote from CP Electric for a 30KVA 120/208 volt system with 4 hour run time
In-building Distributed Antenna System	$110,000.00	Estimated by MCP.
Grounding System	$13,000.00	Estimated costs to provide Grounding for critical infrastructure and the facility. Estimate provided by MCP. .
Structured Cabling System	$40,500.00	Estimate for new hardware and installation. Quoted by The Soundside Group
\ Audio/Video Systems	$17,500.00	Estimated by MCP.
Access Control/Security Systems	$50,300.00	Estimate provided by MCP for Access Control hardware/software.
Security Cameras	$12,309.00	Quote from The Network Team for hardware,software, security cameras.
Monitors for Security Monitoring	$1,658.00	Quote from The Network Team for security monitors
Consultative and Professional Services	$285,175.00	Quote from MCP for Consultative/Professional Services in Phase 2 of Project