

The Boonton Kiwanis First Aid Squad has the following responses to both the “Dispatch and Radio Communication Upgrade Option Matrix” and the “Questions on Town of Boonton Dispatch and Radio Upgrade Options Matrix”. Our answers also include current radio pricing and financial impact on all services.

**Dispatch and Radio Communication Upgrade Option Matrix**

Plan/Item	Matrix Point	BKFAS Response
Plan 1 / Rebuild Current System	All Points	The Boonton Kiwanis First Aid Squad is already dispatched for Boonton Township and Mountain Lakes by Morris County. We do not advocate rebuilding the Boonton system and would prefer to be dispatched 100% by Morris County.
Plan 2 / Migrate to Morris County	Initial Cost / \$ 210,000.00 Annual Fee	This is a true number and includes all aspects of dispatch and communications. This also includes (free of Charge) Law Enforcement Records Management System (replaces the CAD system that Boonton pays for and integrates records with all of the other agencies on the system, allowing better crime solving through the trends and analysis team in the county) Police, Fire & EMS also have Mobile Data Terminal CAD available.
Plan 2 / Migrate to Morris County	Initial Cost / \$ 979,700.00 Hardware Radio Costs	<p>This cost is over inflated and is based on false information. The discontinuation of “T-Band” is currently in legislation and has not been acted on. Radio experts feel that it will not be acted on as it would have a negative financial impact on major cities such as New York. There are MANY Public Safety agencies on the T-Band System.</p> <p>Morris County has in its Capital Replacement Plan, language that spells out how the radio system would be upgraded and what the County would pay for in an upgrade. Morris County would not only replace the system components, they also would replace end user radio equipment on a one-for-one basis.</p> <p>There is no need to purchase expensive “Dual Band” equipment in order to prepare for a system change as Morris County does not have any intentions of moving off the T Band anytime soon.</p> <p>Currently the Fire Department has 8 mobile radios on the County System. That includes all fire apparatus and 3 “other” vehicles. The Fire Department also has 6 portable radios on the County System.</p> <p>Currently, the Police Department has 12 mobile radios (all police cars) on the County System and 6 portable radios.</p> <p>Currently, the First Aid Squad has 4 mobile radios (2 ambulances and 2 other vehicles) on the County System and 3 portable radios.</p> <p><b>CURRENT PRICING</b></p> <p>Using current radio quotes, the following is an example of what the actual costs would be for additional radios, bringing all of the services up to full radio capabilities on the County System.</p> <p>ICOM Portable Radio with display, speaker microphone and charger. A suitable radio for disciplines outside of a fire environment. (Police &amp; EMS) \$ 1,515.00 each</p>

		<p>Motorola 6000 Light Portable Radio with display, speaker microphone and charger. Suitable for Fire environments or any non-fire environment. \$ 3,200.00 each.</p> <p>Motorola Apex 4000 Portable Radio with display, speaker microphone and charger. Suitable for all disciplines. \$ 2,900.00</p> <p>Using these price points, the following assumptions could be made in order to determine what the TRUE capital expenditure would be for additional radio equipment.</p> <p><b>FIRE</b> Using the NFPA Standards for proper Fire radio numbers, the department officers could be assigned the current 6 portables already in existence.</p> <p>NFPA states there should be a portable radio for every riding position in a fire apparatus. Boonton Fire Department has 5 Fire Apparatus which would require 6 portables each or a total of 30 portables. Using the high end pricing at \$3,200.00 each, that total would be \$96,000.00 dollars. If you purchase the Motorola Apex 4000, the total would be \$ 87,000.00</p> <p><b>POLICE</b> There are 26 Police Officers listed in the 2017 Morris County Law Enforcement Book. This includes 3 Special Officers. The Police Department could issue each officer their own portable radio (highest cost) or develop a different plan that reduces the amount of portable radios. Boonton Police already have 6 assigned County portables so an additional 20 would need to be purchased. Using the same price point of \$ 3,200.00 each, the total would be \$ 64,000.00 dollars. If they purchase the Motorola 600 Light, the total would be \$ 58,000.00 total. If they purchase the ICOM radio the total would be \$ 30,300.00 total.</p> <p><b>EMS</b> EMS would require 7 portable radios (one for each duty crew chief), 2 portable radios (one for each ambulance), and 3 portable radios for the officers, total 12 portable radios. We currently have 3 portable radios assigned by the County, leaving us to purchase 9 additional radios. Using the same price point of \$3,200.00 each, the total would be \$ 28,000.00. If we purchased the Motorola Apex 4000, the total would be \$ 26,100.00 total. If we purchased the ICOM radio, the total would be \$ 13,635.00.</p> <p><b>OEM</b> OEM is already assigned a portable radio through the County. OEM also has a County OEM talk group assigned and can communicate now with the County and other local OEM's. OEM would need to present what additional radio numbers would be required.</p>
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Plan 2 / Migrate to Morris County	Total Expense if purchasing ICOM at \$1,515.00 (Fire using Apex 4000)	Fire \$ 87,000.00 Police \$ 30,300.00 <u>EMS \$ 13,635.00</u> <b>TOTAL \$ 130,935.00</b>
Plan 2 / Migrate to Morris County	Total Expense if all users purchased the Motorola Apex 4000	Fire \$ 87,000.00 Police \$ 58,000.00 <u>EMS \$ 26,100.00</u> <b>TOTAL \$ 171,100.00</b>
Plan 2 / Migrate to Morris County	Total Expense if all users purchased the Motorola 6000 Light	Fire \$ 96,000.00 Police \$ 64,000.00 <u>EMS \$ 28,800.00</u> <b>TOTAL \$ 188,800.00</b>
Plan 2 Migrate to Morris County	Annual Fees	The \$200.00 per radio fee is used to complete upgrades to the system as needed. The actual amount would be 97 radios at \$ 19,400.00 per year.
Plan 2 Migrate to Morris County	Boonton Dispatcher Costs	Not applicable since the County provides that service
Plan 2 Migrate to Morris County	Short Term Maintenance	Morris County is Responsible for all system maintenance. Boonton is responsible for all radio maintenance of portables, mobiles, and vehicle mobile data terminals (computers)
Plan 2 Migrate to Morris County	Long Term Maintenance	Same as short term maintenance.
Plan 2 Migrate to Morris County	PROS	We agree on the points Regionally Managed System, Easy Transition, Professional Organization, Included Technologies, and Locally located repeater tower.
Plan 2 Migrate to Morris County	PROS	No Town Maintenance – There is town maintenance on the portable, mobile radios and mobile data terminal computers.
Plan 2 Migrate to Morris County	PROS	GPS is provided using the mobile data terminals. The radio system has the capability, however, it is not used at the present time.

Plan 2 Migrate to Morris County	PROS	3 Year Warranty – This would only apply to newly purchased equipment and not existing equipment already in use.
Plan 2 Migrate to Morris County	PROS	Minimal Radios in Use – This is not true as you can see by the above report on what is already in place and what would need to be purchased.
Plan 2 Migrate to Morris County	CONS – BKFAS sees as a Non-Issue	Costly fees of \$200.00 per radio – we do not view this as costly and our current radio fees are being paid for by Boonton Township. The money collected from radio user fees ensures that no unexpected upgrades fees will ever be passed on to the end users.
Plan 2 Migrate to Morris County	CONS – BKFAS sees as a PRO	Must use County Dispatchers – This is true. The County provides many dispatchers on shift to process the work load. During high volume there would be multiple dispatchers working on Boonton issues. Currently, there is only one dispatcher on the Boonton desk and frequently 911 calls bounce to the County because they cannot be answered by the one dispatcher. We see this bullet as a PRO and not a Con.
Plan 2 Migrate to Morris County	CONS – BKFAS sees this as a Non-Issue	County Dispatchers are not local and do not know local landmarks (i.e. delayed response) – This is a huge myth. Since the development of the current 911 system and addressing, local landmarks are a thing of the past. People call 911 and the addressing information automatically appears. Dispatchers give out calls using accurate addressing and responders respond to those addresses. Users have the ability to provide key information on critical addresses that automatically populates into the call screen. Users are able to see all this information from their mobile data terminals. Cellular calls are routinely pinged to locate a caller when the caller is not familiar with the location.
Plan 2 Migrate to Morris County	CONS – BKFAS sees as a PRO	County T-Band may be discontinued for public safety use – This was previously addressed above. Even if this were to happen, the County replaces all system components including portables and mobile radios. We view this as a PRO.
Plan 2 Migrate to Morris County	CONS – BKFAS sees this as a Non-Issue and expected expense	Paging on a Trunked System – This is false. The County utilizes a single UHF frequency to page Fire and EMS. The entire discussion on why we need to propose a new system is based on the discontinuation of “Low Band” equipment and the current unreliable Low Band System we have in place. In order to make a full transition and get away from the frequency and equipment that is unreliable, new pagers would have to be purchased. The current quote for pagers is \$ 450.00 per pager, including the charger and battery. Using the high number of 150 pagers for fire and 50 pagers for EMS, the total expense would be \$ 90,000.00 dollars. Add that to the higher end of the radio purchase of \$ 188, 800.00 and the total expense for new equipment would be \$ 278,800.00, well below the proposed \$979,700.00 listed in the matrix. We also have the ability to phase pager purchases over in time by using a simulcast system that would page over UHF and the current low band for an additional \$1000.00. We do not support simulcast as we have already determined the low band system is unreliable.

Plan 2 Migrate to Morris County	CONS – BKFAS sees as a PRO	Shared User Groups and Dispatchers – This is true and we view this as a PRO. Currently Boonton Township, Mountain Lakes and Randolph Police share a dispatcher. The user groups are designed based on call volume. Although the County can speak for itself, we believe that Boonton, Boonton Township and Mountain Lakes would be combined to create a new user group. Again we see this a PRO because we routinely work with these municipalities on a regular basis.
Plan 2 Migrate to Morris County	CONS – BKFAS does not see this as an issue.	No Dispatcher monitoring of tactical of tactical user groups (I.e. hearing a firefighter Mayday call) – All County radios are capable of programming the emergency button to signal the dispatcher of an emergency. For the Police and EMS this would be done through the trunked system. Fire uses an un-trunked single UHF frequency for fireground operations. There are multiple fireground channels available. NFPA does not recommend the use of a trunked system for fireground operations. All fire radios are programmed so that if an emergency is declared, ALL radios activate the emergency function and all users on the scene would be alerted of the emergency. The display screen would display the radio ID that declared and all users would be able to see it. The emergency alert works even if the person declaring an emergency is on the wrong channel.
Plan 2 Migrate to Morris County	CONS – BKFAS does not see this as an issue, just different way of doing things.	Loss of Dispatcher to deal with walk-ins and prisoners – Many towns have migrated to the County and have addressed this issue quite well. During business hours, the records clerk or department secretary handle walk-ins, and/or during the off or un-manned hours, the walk-in may use the telephone at the door and the dispatcher will answer the call. With Bail Reform, prisoners are routinely not held in municipal jails for very long. Boonton could certainly poll other municipalities to determine how they handled prisoners when they migrated to the County. We don't believe it is as costly as it is being portrayed.
Plan 2 Migrate to Morris County	CONS – BKFAS sees this as a PRO	E-Ticket Revenue Stream – The County offers E-Ticket interface. The details can be discussed at length with County officials and E-Ticket to determine any issues. Placing this as a Con is premature and may actually be a PRO.
Plan 2 Migrate to Morris County	CONS – BKFAS sees this as a Non- Issue	Radio Pricing (Dual Band) – This is unnecessary as discussed above.
Plan 3 Rebuild Utilizing State PSIC System	Initial Cost	<p>The PSIC radio is one of the most expensive radios on the market. The average price for a portable radio would be \$4,000 - \$6,000.00 each and we do not have any of these radios in our current inventory. For portable radio purchase the cost would be 36 for Fire, 26 for Police and 12 for EMS (74 total) at a cost of \$296,000.00 - \$ 444,000.00 just for portable radios. Add the cost of mobile radios (24 total) \$96,000.00 - \$ 144,000.00 and the cost becomes \$392,000.00 - \$588,000.00. This analysis does not include equipment for the Boonton Police Desk to communicate with field users. This solution also does not provide for paging equipment or pagers. If the solution included switching to the current VHF frequency for paging, all of the pagers would need to be replaced at a cost of \$90,000.00 making the total end user equipment cost \$ 482,000.00 - \$ 678,000.00. Again, the unknown here is what the costs of Police Desk equipment would be.</p> <p>We find this solution to be way out of our price point.</p>

Plan 3 Continued	Annual Fees	Cannot comment on this as we have not researched it.
Plan 3 Continued	Short Term Maintenance	Boonton would be responsible for mobile, portable, paging base station, method to transmit to paging base station (phone line or microwave link) State would be responsible for system maintenance of PSIC system only.
Plan 3 Continued	Long Term Maintenance	Same as short term.
Plan 3 Continued	PROS – BKFAS sees this as FALSE	Autonomy – There is no autonomy as the State runs the system. End users have had little impact on how the State runs its system. The County user groups have affected many changes on how the County system is run.
Plan 3 Continued	PROS	Dedicated agency user groups – Cannot speak on this bullet as no one in Morris County is using the PSIC system.
Plan 3 Continued	PROS – BKFAS sees this as a CON	Maintain Local Dispatch – Although this may be true, the fact remains that there is still only one dispatcher on the desk at any given time to handle the load of 3 services. 911 calls would still be bouncing to the County at the rate they are now.
Plan 3 Continued	PROS – BKFAS sees this as NO BENEFIT	Price \$120.00 per radio per year – This may be true and although lower, the initial outlay far exceeds the benefit.
Plan 3 Continued	PROS – BKFAS sees this as a CON	LTE ability (upgrade) – currently NOT available on the PSIC system and comes with upgrade fees to all radio equipment at a later date. These fees will be the responsibility of Boonton.
Plan 3 Continued	PROS – BKFAS sees this as Misleading and False	No Town Maintenance – Boonton would be responsible for radio maintenance and the State would be responsible for system maintenance.
Plan 3 Continued	PROS – BKFAS sees this as a CON	Redundancy – We assume the author is speaking of multiple sites in case one goes down. The sites for PSIC are not local to Boonton and the current coverage maps for mobile and portable radio coverage have MANY gaps throughout the 3 municipalities. With even one site going down, those gaps would be even larger and may even cause disruption in service. To know 100% if the PSIC coverage is adequate, a radio coverage study would need to be performed. Not performing a coverage study would be a huge mistake and could cost lives. Morris County has not gone to the PSIC system for this very same reason.
Plan 3 Continued	PROS – BKFAS sees this a NO BENEFIT	Technology Integration – Not sure what the author means by this. Any technology and integration would require Boonton to spend more money.
Plan 3 Continued	PROS – BKFAS sees this as a CON	Upgraded Dispatch Center – Although this may be true, the costs outway the benefits and we are still left with one dispatcher instead of many.
Plan 3 Continued	PROS – BKFAS sees this as misleading and FALSE	Interoperability – There is NO interoperability as no one in Morris County has PSIC equipment.

Plan 3 Continued	PROS – BKFAS sees this as a CON	Encryption – This feature adds additional costs to the radios. It is roughly \$1000.00 per radio to add encryption. The Morris County solution offers encryption also for an additional cost per radio. Only a few select law enforcement agencies use the encryption feature.
Plan 3 Continued	PROS – BKFAS sees this as NO BENEFIT	3 Year Warranty – Only on newly purchased radios. Again, the capital outlay for this system does not fit within our price point.
Plan 3 Continued	PROS – BKFAS sees this as a CON	Interoperability Channels – Does us no good if we cannot speak with our neighbors. No one in Morris County uses this system.
Plan 3 Continued	PROS – BKFAS sees this as FALSE	Long Term Savings – we do not see a long term savings. If the PSIC system takes on new features or mandates, we would be on the hook for paying for upgrades to radio equipment.
Plan 3 Continued	PROS – BKFAS sees this as FALSE	Phasing Opportunity but additional discounts for single purchase – This does not make sense as we would have to maintain 2 systems at the same time. This also goes against the whole premise that our current system is unreliable and cannot be trusted.
Plan 3 Continued	PROS – BKFAS sees this as NO BENEFIT	Simulcast – No different than what the County system offers.
Plan 3 Continued	PROS – BKFAS sees this as FALSE	Ability to dispatch for mutual aid partners – This is false as no one in Morris County has PSIC. Mutual Aid Partners include the following: Boonton Township – On the County System Mountain Lakes – On the County System Montville – On a T-Band system of their own Parsippany – Fire and EMS negotiating now to move to County System. They currently use T-Band in Parsippany Denville – On their own system full capabilities on the County System Kinnelon – On their own system and full capabilities on the County System. Butler – On Their own system. Now using the County CAD System and have full County System capabilities.
Plan 3 Continued	PROS – BKFAS sees this as FALSE	Possibility of cost sharing with EMS partner jurisdictions – The squad has many different financial arrangements with the three towns. We would not ask Boonton Township or Mountain Lakes for assistance in purchasing this system as it does not benefit them at all.
Plan 3 Continued	CONS	Regional Towers (farther distance) – This CON outways any of the PROS in our opinion. The coverage maps indicate severe gaps in service with all towers operational.
Plan 3 Continued	CONS	No Upgrades or technologies included – Again the price structure of this proposal is not in lines with our budget.
Plan 3 Continued	CONS	Paging on a trunked system – This is not available and would require us to maintain a separate system for paging.
Plan 3 Continued	CONS	Radio Pricing – The PSIC radio equipment is VERY expensive and outside of our budget.
Plan 3 Continued	CONS	GPS additional – True and we cannot afford any of it.
Plan 4 Do Nothing	General	The Boonton Kiwanis First Aid Squad cannot just sit back and do “nothing”. We are in need of paging equipment, our low band base station is long past its life cycle and parts are difficult.
Plan 4 Do Nothing	General	We pay for the radio tie line that controls our paging base and this cost is over \$1000.00 annually.

Plan 4 Do Nothing	General	We are currently dispatched by the County for 2 of the three towns we serve and a move to the County would benefit us in the long run.
Plan 4 Do Nothing	General	We require dispatch data in order to become a licensed agency and complete electronic patient care charting. There is no Ambulance dispatch data generated by the Boonton Police Desk currently. In order to provide us with data, they would need to upgrade or have their CAD system programmed to perform this function. The County system automatically provides this service.
Plan 4 Do Nothing	General	The County also offers text messaging, "Active 911" or "I Am Responding" links and station alerting.
Plan 4 Do Nothing	General	We have the ability to purchase the simulcast equipment, re-program our pagers to 46.42 and phase in our pager replacement plan over time. This is also attractive to our budget

### **Questions on Town of Boonton Dispatch and Radio Upgrade Options Matrix**

#### **Plan 1 Answers**

The Boonton Kiwanis First Aid Squad does not advocate for "Re-Building and Maintaining our Existing System.

8. The Squad is paged on a low band frequency using a base station that is owned by the Squad. This base station has outlived the life expectancy and parts are not readily available. In addition, the Squad pays for the radio tie line that connects the radio base station to the Boonton Police desk. We pay over \$ 1,000.00 per year to maintain this radio tie line.

The Squad communicates with the Boonton Police desk using the Police VHF repeated system. All of our vehicles are equipped with radio equipment to accomplish this as well as communicating with the Hospitals around the State. The State EMS Communications Plan requires us to maintain a mobile VHF radio in all vehicles, as well as VHF portable radios. VHF radios are relatively inexpensive.

The Squad communicates with Morris County for all calls in Boonton Township and Mountain Lakes on the County Trunked Radio System. All of our vehicles are equipped with mobile and portable radios on this system.

The Squad would not have to participate in applying for radio frequencies from the FCC if we transitioned to Morris County for dispatching services.

9. The majority of Morris County radio equipment is capable of sending GPS coordinates from both mobile and portable radios. This system is not used at the county level.

The Squad would transition to the County Mobile Data Terminal system if dispatched by the County. This system provides GPS tracking of the ambulance and is of benefit to the communications center when assessing where the closest ambulance to a call is located.

The Police and Fire units could also transition to the Mobile Data Terminal system and enjoy the same benefits.

Mobile Data Terminals also provide the benefit of call note look up, chat with the dispatcher, police license plate and DL lookup from the car, E-Ticket integration, ability for the user to add notes to the call, Fire Hydrant lookup, critical infrastructure lookup, NFIRS interface,



## Plan 2 Answers

- 1 & 2. The County made a formal presentation to the Town of Boonton several years ago. The answers to these questions could be found in that document and ADMIN could request an updated proposal from the County Department of Law and Public Safety.
3. Can be answered in the formal proposal request.
4. The Squad would not need any additional personnel costs.
6. This question is based on the myth that there is a need for the dispatchers to learn landmarks. This is detailed in the matrix response above.
7. The County has no plans to move away from the T-Band system. If forced to move, the County Capital Upgrade Plan calls for the County to provide all equipment necessary to make the change on a radio for radio basis. There would be no cost to the end users if this were to happen. You can obtain this information from the Department of Law & Public Safety. Reading the Fire Department response to this question, we don't know what possible information Mike Reed can offer to the contrary. We believe that you should go to the source.
8. As a matter of regular business, the County offers user groups of Police, Fire and EMS separately. The Police traffic is handled by the Police Dispatcher assigned to that user group and Fire EMS traffic is handled by the Fire/EMS desk and several dispatchers. Should the need arise to establish a talk group for all three services to communicate together, the County offers Operations Channels. All services have Operations Channels programed into their radios and can switch to an Operations Channel if needed. There are no additional costs associated with this.
9. The County maintains a separate UHF frequency to do all paging throughout the County. Paging is not trunked and simulcast over 13 different towers for 100% coverage throughout the County. The entire premise for changing the radio system has been built on the fact that the Low Band system is antiquated and unreliable. We believe that new paging equipment should be purchased to replace the whole low band system. The costs associated with purchasing new pagers for Fire & EMS are detailed in the matrix above. If the Town of Boonton feels that the replacement of all pagers is outside of the budgetary numbers for this project, they can purchase the equipment to simulcast on the low band system temporarily and phase the pager replacement over time. The simulcast equipment is approximately \$1000.00.
10. The County determines user groups based on call volume. For example, the Chatham Township, Chatham Borough, Morris Plains and Harding Police Departments are on one user group, while Morristown and Morris Township are on a separate user group. Fire and EMS are also placed in a user group based on volume. We would suspect that the County would place Boonton Police in a user group with Boonton Township and Mountain Lakes as the Boonton volume is similar to Randolph Police (currently with Boonton Township & Mountain Lakes). The Squad has no issue with the user group that we are in currently in. I would suspect that the fire department would be combined with Boonton Township and Mountain Lakes.

There is no additional fees with the above information. If Boonton insisted on their own user group, there may be additional fees assessed. Ultimately, this would be included in a formal proposal by the County.

11. There are several different factors involved in this question. First there are user groups. The Police would be on a user group with other Police Departments and have use of either Operations Channels (trunked) or a different single Police User Group for when they are operating at a multi agency event (Operations Channels) or if they are doing a road job and the radio traffic would interfere with normal user group traffic. Fire has a user group in the form of a

“Response Channel” (trunked) that they share with other Fire Agencies. Once a Fire Department arrives on scene, they have use of “Fire Ground Channels” (Non-Trunked) that they can use as a “tactical” channel. The “tactical channels are non-trunked and in compliance with NFPA Standards. Tactical Channels are monitored by the Incident Commander as well as anyone else on the channel. If a person were to declare an emergency, ALL radios on the scene are alerted with audible alarms and the radio ID of the distressed is displayed on all radios. This will happen even if the distressed party is on the wrong channel. This system has been in place for a very long time and works well. We see this issue as just a different way of operating. Fire also has the ability to utilize Operations Channels (trunked) during incidents that multiple agencies are working at. EMS is assigned a user group (EMS Response 2) (trunked) and we share this with several municipalities around the County. We also have the ability to use Operations Channels (Trunked) if we are operating at an incident with other agencies.

14. This question was based on the miss-information that we need to buy equipment that supports having to move off the T-Band. The County of Morris prepares for this in the Capital Replacement Plan and will purchase new equipment for the system AND end user if that ever happened.
15. The only cost that was not discussed is pager replacement so that all Fire/EMS has UHF radio pagers. We have included these costs in the Matrix above. In addition to the initial purchase of equipment, the on-going cost would be repair to broken equipment. On the average, the cost is around \$75.00 plus parts. In response to BFD answers – There are no intentions of raising the “per-radio” fee by the County.

### **Plan 3 Answers**

The Boonton Kiwanis First Aid Squad is NOT interested in Plan 3 as we do not have the budget to support the expense of the State PSIC Radio. We did give pricing information on this solution in the Matrix above.

8. The Squad would not request “cost sharing” from the municipalities as we do not support a system that is not used by any other entity in the County.
9. The only way to determine the effectiveness of this solution is to have an independent party complete a survey of coverage for mobile and portables. The site maps provided by the State (attached) show huge holes in the radio coverage within the 3 towns.
10. The State makes upgrades available to the system at their expense and we would be on the hook to pay for those upgrades at the local level. The local level includes all mobile and portable radios (97) and the BPD desk. Considering that some upgrades (LTE) would cost over \$1000.00 per radio, we think this solution is outside of our willingness to pay.
11. Being paged on the BPD High Band system would require us to still purchase new pagers at the same rate as the County system.
12. GPS is provided by the Mobile Data Terminals on the County system. We do not see the benefit of radio GPS in a small community as cell phones can also be pinging to a specific area if need be.

### **Plan 4 Answers**

This is not an option as we have frequent low-band failures where the Squad cannot be dispatched. If we have to, we would move to the County 100% as soon as possible.

## Plan 5 Answers

We are very familiar with what services “other” towns provide and don’t provide. We do not support moving to a nearby town for dispatch as we believe the County provides excellent service and infrastructure. Any move to a municipality still requires us to have local radio base stations and would require us to purchase equipment compatible with that towns system.

As Requested, Below are the Municipalities that are using County Services.

Boonton Township – 100%  
Butler – Using the County CAD System  
Chatham Borough – 100%  
Chatham Township – 100%  
Chester – 100%  
Denville – Using the County CAD System  
Dover – 100%  
East Hanover – Using the County CAD System  
Florham Park – Using the County CAD System  
Hanover Township – Fire & EMS Dispatch  
Harding Township – 100%  
Madison Borough – Using the County CAD System  
Mendham Borough – 100%  
Mendham Township – 100%  
Mine Hill Township – 100%  
Morris Township – 100%  
Morris Plains Borough – 100%  
Morristown – 100%  
Mountain Lakes – 100%  
Mount Arlington – 100%  
Netcong Borough – 100%  
Parsippany – Fire & EMS Negotiating with County  
Pequannock – Using the County CAD System  
Picatinny Arsenal – Fire Dispatch  
Long Hill Township – 100%  
Randolph Township – 100%  
Rockaway Borough – 100%  
Roxbury Township – 100%  
Victory Gardens – 100%  
Washington Township – 100%  
Wharton Borough – 100%