




**Pompano Beach
Fire Rescue**

**FIRE ADMINISTRATION
MEMO # 16-A160**

To: Otis Thomas, Purchasing Director
From: **John Jurgle, Fire Chief** 
Date: 08/23/2016
Re: Emergency Purchase – Fire Station BDA Systems

Due to the robust design of our new fire stations, we have experienced continual issues with loss of public safety radio signal inside the fire station. The continuous reception of radio signal inside the fire station is critical to our operation. The solution is a bi-directional antenna (BDA) system that boosts the public safety radio signal inside the fire station. Currently, the Broward County Public Safety Communications System operates in the 800 MHz range. The new countywide communications system, which will kick off next year, will operate in the 700 MHz range. The County just recently created a new standard that requires this BDA system to be design engineered and permitted. This would not only require Pompano Beach approval, but Broward County approval as well, including Broward County Office of Communications and Technology (ORCAT). The loss of radio communications inside our fire stations and the need for a BDA system was not something we anticipated, but it does require our immediate attention.

Signal Communications has recently completed the engineering design study that is required for the BDA system and has submitted a quote for the BDA system in both Fire Station 11 and Fire Station 103 in the amount of \$93,566.96 (\$46,783.48 each). We have also received a quote from Motorola Solutions on the BSO Contract for the same work in the amount of \$134,918.00 (\$67,459.00 each). Due to the significant price increase over the Signal Communications bid, the piggyback on the BSO Motorola contract for the installation of the BDA system is not feasible. Please

expedite the purchasing process to accomplish the completion of the BDA systems in both fire stations. The unanticipated loss of public safety radio communications inside Fire Station 11 and 103 necessitates a need for an emergency purchase of the BDA system installation. Please let me know if you have any questions. Thank you.