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Spectral Plan:

- **Public Safety Digital Repeater (1);**
  - Ser# P789533192142
- **Nonhalogenated, fire retardant polyolefin jacket (403.99);**
- **Cable / CommScope / AL4RPV-50 HELIAX® Plenum Rated Air Dielectric Public Safety Digital Repeater (1);**
  - Ser# PS51080
- **Cable / Advanced RF Technologies / PSR-78-9533 700/800 MHz Gain Digital Public Safety Repeater - 4.3-10 Female Connectors (UHF);**
  - Ser# MOD# 61-70-60-A2.0-N
- **Cable / Advanced RF Technologies / PSR-VU-9537 (UHF Only) 95 dB Gain Digital Public Safety Repeater - 4.3-10 Female Connectors (UHF);**
  - Ser# MOD# 61-89A-60-A10-N

**Cables:**

- **Cable, corrugated copper, 1/2 in, black PE jacket (185.88);**
- **Cable / Advanced RF Technologies / AL4RPV-50 HELIAX® Plenum Rated Air Dielectric Public Safety Digital Repeater (1);**
  - Ser# MOD# 61-70-60-A2.0-N
- **Cable / Advanced RF Technologies / PSR-VU-9537 (UHF Only) 95 dB Gain Digital Public Safety Repeater - 4.3-10 Female Connectors (UHF);**
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  - Ser# MOD# 61-89A-60-A10-N

**Antennas:**

- **Public Safety Digital Repeater (1);**
- **Cushcraft/Laird Roofmounted Yagi Antenna;**
- **HangerLoK;**
- **Andrew L4TNM-PSA – ½” Coaxial Connectors;**
- **Andrew S-3-CPUSE-L-N Power Dividers & Couplers;**
- **Andrew C-6-CPUS-N Power Dividers & Couplers;**
- **BIRD Signal Booster 1;**

**Network Equipment:**

- **Westell CSI-61080 80db gain 800 Mhz BDA;**
- **Tripp Lite External 24V Rackmount Battery Packs (1);**
- **Tripp Lite SmartPro Line Interactive UPS (1);**
- **12 Hour Power Supply Batter Backup (orig);**
- **NEMA 4 UPS Enclosure (Undetermined);**
- **NEMA 4 BDA Enclosure (Undetermined);**
- **1/2" Coaxial Cable (Undetermined);**

**Other Items:**

- **Telecom Room Accessible from MLK Jr Way Entrance/Exit. Room;**
- **Ground Floor - M/E Room;**
- **Office area of the structure.**

**Public Safety Digital Repeater:**

Value: 5 dB in-line attenuation on the UHF donor line.
<table>
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<th>2nd</th>
<th>3rd</th>
<th>4th</th>
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**DAS ANTENNAS - MAKE / MODEL**

- **Galtronics / PEAR S5491i / In-Building [TETRA + Cellular]** Ceiling Mount Antenna, 380-6000 MHz, 1x Pigtail N Female (30)
- **TerraWave Solutions / M3050070O11206** Antennas (3)
- **Andrews / Cellmax-O-CPUSE 25** - Andrew Cellmax Coverage Omni Antenna, 380-6000 MHz, 1x Pigtail N Female (15)
- **Galtronics / PEAR S5491i / In-Building [TETRA + Cellular]** Ceiling Mount Antennas (15)
- **Andrews / Cellmax-O-CPUSE 25** - Andrew Cellmax Coverage Omni Antenna, 380-6000 MHz, 1x Pigtail N Female (15)

**BDA UPS - MAKE / MODEL**

- **Duracomm / PS-4110-100 / NFPA 4** amps, 110 volts, 100Ah Backup Remote
- **Ventev / B-DAS-060-12PS**
- **TX RX Systems, Inc - BIRD TECHINOLOGIES [MOD# 6160-H-24-NG]** 24V
- **(3) Tripp Lite External 24V Rackmount Battery Packs / BP24V36-2US**
- **(1) Tripp Lite SmartPro Line Interactive UPS / SMART750RMXL 2U**

**Acceptance Testing:**

- **2019-10-02**
- **2019-09-26**
- **2019-08-14**
- **2019-03-27 - Baseline Test by C S Coverstone and J McManaway**
- **2016-11-?? - Acceptance Test by HFD.**

**Pending Delivery:**

- **Yes**
- **Yes**
- **Yes**
- **Yes**
- **No**

**INSTALLATION DOCUMENTS ON FILE - Y or N**

- **YES**
- **NO**
- **YES**
- **NO**
- **NO**

**PICTURES ON FILE - Y or N**

- **YES**
- **NO**
- **YES**
- **NO**
- **NO**

**FLOOR PLANS ON FILE - Y or N**

- **YES**
- **NO**
- **YES**
- **NO**
- **NO**

**TROUBLE ALARM PER AHJ:**

- **SUPERVISORY ALARM.** (NEEDS TO BE TRANSMITED TO JMUPD AS A BDU FAILURE ALARM connected to JMUPD Alarm Transciever as TROUBLE ALARM)

**NOTE:**

- **.9000 = -25.4 dbm**
- **.8125 = -41 dbm**
- **.4250 = -57 dbm**
- **.2250 = -50.7 dbm**

- **Value: 5 dB in-line attenuation on the UHF donor line.**

**Structure.**

- **Multi Level - New and Old Sections - Steel, Concrete and Limestone**
- **Multi Level Residential Dorm - Steel, Concrete, Metal Frame and Drywall**
- **Single Level - New Build - Facilities Management Workshops and Office basement and other in-building areas better.**
- **Concrete Structure built into the side of a bank along I-81.**
- **Concrete Structure built into the side of a bank along I-81.**

**Multi Level - Renovated Steel, Concrete, Brick and Stone former Medical**

**Structure.**

- **Multi Level - New and Old Sections - Steel, Concrete and Limestone**
- **Prefab Concrete Structure with 657 Total Spaces in 5 Level Deck.**
- **Prefab Concrete Structure with 657 Total Spaces in 5 Level Deck.**
- **Prefab Concrete Structure with 657 Total Spaces in 5 Level Deck.**

**SPECIAL NOTES**

- **Access Door into M3201 - Electrical Room**
- **Metal UPS Cabinet**
- **Westall BDA**
- **Custodial Room M481**
- **Westall BDA**
- **Line of sight to HRECC Rooftop radio tower site**
- **5th & 6th Floor Telecom Closet M5031 and Public Safety M6002 Rooms**
- **Donor Antennas on Rooftop Penthouse**
- **Electrical Circuit #16 in Panel SRP-1 in Room G02**
- **BDAs and UPS cabinets in Ground Floor Telecom Room G03**
- **Donor Antennas on Level 5**
- **Space. Steel, and brick structure with metal roof and grounding loop and limestone ledge.**
- **Significant portion of the lower sub-terrain level built into a solid limestone ledge.**
- **Steel, and brick structure with metal roof and grounding loop and limestone ledge.**
- **5 Level - Prefab Concrete parking deck structure with 619 Total Spaces.**
- **Facility Structure.**
- **Multi Level - Steel and Concrete Structure**
- **Multi Level - New and Old Sections - Steel, Concrete and Limestone**
- **Prefab Concrete Structure with 657 Total Spaces in 5 Level Deck.**
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**Space.**

- **Steel, and brick structure with metal roof and grounding loop and limestone ledge.**
- **Significant portion of the lower sub-terrain level built into a solid limestone ledge.**
- **Steel, and brick structure with metal roof and grounding loop and limestone ledge.**
- **5 Level - Prefab Concrete parking deck structure with 619 Total Spaces.**
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