



State of New York County of Broome Government Offices

Office of Emergency Services

Jason T. Garnar, County Executive · Michael A. Ponticiello, Director

MEMORANDUM

To: Public Safety & Emergency Services Committee

From: Michael A. Ponticiello

Date: February 10, 2020

Re: Public Safety Radio System Update

Physical Infrastructure

Work is progressing on the next nine physical sites for the radio upgrade project. Please see the attached Site Development Checklist. We are currently building: Nabinger, Sanford, Ely Park, and Laurel Lake sites, we expect completion in April. Next sites to be released for construction: Lisle, Windsor, and Kirkwood. Possibly Deposit depending on results from the crossing application.

Sites:

We are in process of procuring via property acquisition or lease agreement the following sites to build out the system:

- Lisle (Town of Lisle): Access road completed.
- Maine (Town of Maine): Real-estate search is ongoing.
- Kirkwood (Town of Kirkwood): Site lease very close to being signed, county attorney working out details for easement for the access road with the adjacent property owners.
- Ely Park (City of Binghamton): Construction notice to proceed issued - waiting on building permit.
- Nabinger (Colesville): Construction underway.
- Sanford (Town of Sanford): Construction underway.
- Deposit (Town of Sanford): Working on final details of a pipeline crossing before signing lease.
- Laurel Lake (Town of Sanford): Construction underway. NYSEG easement issue being evaluated.
- Windsor (Town of Windsor): Site lease signed, County Highway has begun tree clearing for access road. OES will be at the town board meeting this month to review project.

Requests for Proposals

There are two primary bids and one sole source contracts that cover the majority of this project. All bids have been structured for delivery of four sites in 2019 with add-ons of the remaining sites in 2020 in an effort to get the most competitive pricing.

- Towers and Shelters – Delivery to each site is scheduled by the contractor.
- Construction – RFP was received, award to Mid-State is in process for first 4 tower sites. Notice to proceed issued on first 4 sites.



Nabinger Hill – Rebar for tower foundation.



Nabinger Hill – Concrete pour.

- Generators (cooperative purchase) – 4 Generators received and are in storage at our Wayne Street Facility.



Road Construction

The highway department has been an instrumental partner in constructing the roads to each of these sites.

They are currently doing tree clearing at the Windsor site.



Completed Laurel Lake Road.

Microwave

We have a contract with Aviat to install microwave backhaul to the new Ely Park site and to connect with Cortland County. There are also new microwave connections between our Hawkins site and the County Landfill and Airport for I.T. connections as part of the project. Installation is currently underway.

Aviat has provided a proposal to complete the path surveys for the next set of microwave connections. Will be submitting for approval in the next month.

Motorola Contract

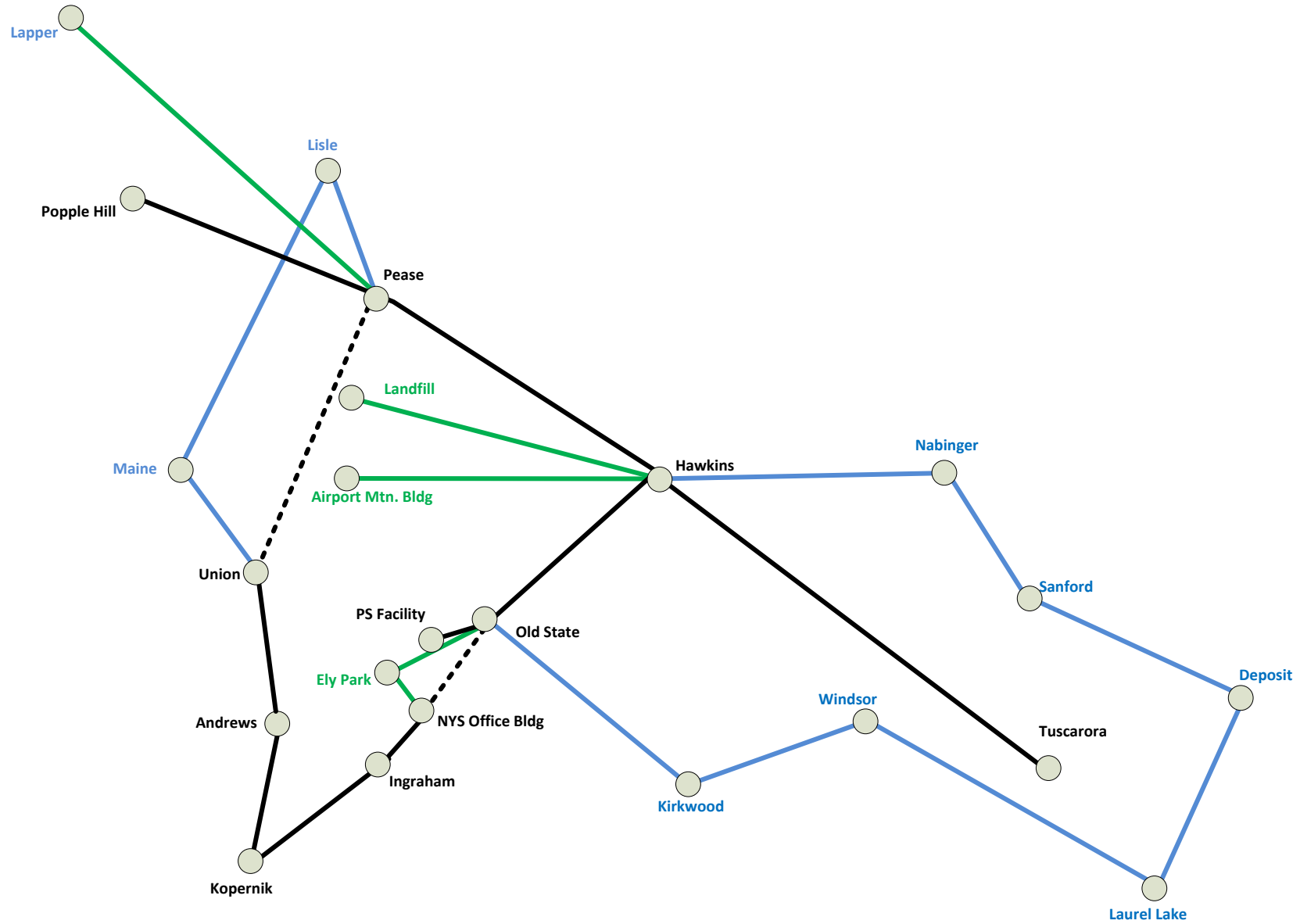
- Motorola, working with their subcontractor VComm, have finalized the system frequencies. They are now working with the FCC to secure the necessary licenses. Some of the licenses have been issued by the FCC.
- Emergency Services has identified the needed off system frequencies and has issued an RFP for the licensing work on the new frequencies.
- OES staff have been designing preliminary talk path profiles for the end user – initial discussions have started on talk path design.
- OES and Motorola have scheduled an all-day meeting in March to review subscriber units.
 - We notified all of the police/fire/EMS departments of how many subscriber units we anticipated deploying.
- Motorola Lease agreement is being reviewed by the County Attorney's Office.

911 Center Project Upgrades

In preparation for the new radio system we will be upgrading infrastructure in the 911 center to make it compatible with the new system.

We will be contracting with Zetron (our current console provider) to upgrade our current console system. We will essentially be converting our radio console infrastructure from analog to digital. The upgrade proposal is currently being reviewed. Action should be expected in the next month.

Similarly, our 911 log recorder is being replaced to allow for digital frequencies to be recorded. We are currently evaluating different manufacturers.



Issue	Network Engineer	Date
A	JHM	01/28/20

Original

In Process

Original To be removed

Future MW hops



Aviat Networks

Broome County

Future MW Hops

Drawn By: JHM

Magic Sys ID:



Project Status Report

**Client Name: Broome County Office of
Emergency Services**

**Project Name: Emergency Communications
Project – Phase 2**

**Client Contact: Mike Ponticiello,
Director**

C&S Project Number: 157.027.003

cc: Chuck Rogers

Period: January 2020

Significant activities underway or completed this period:

General:

- ✓ Weekly construction administration conference calls with Mid-State
- ✓ Updated the Site Development Activity Checklist for all sites. Also added a column for the PSF Shelter.
- ✓ Project review meeting/conference call with County on 1/21/2020
- ✓ Initiated SEQR and NEPA evaluations for the Lisle, Kirkwood, and Windsor sites
- ✓ Authorized SUNY Binghamton on 1/24/2020 to proceed with the Phase I Cultural Resource surveys at the Lisle, Kirkwood, and Windsor sites

Ely Park:

- ✓ Building Permit delayed to resolve open code issues related to access road
- ✓ Obtained and presented site access road grading slopes including grade slopes for the City streets leading up to the site access road entrance.
- ✓ Redesigned access road to add a fire apparatus turn-around area due to fire department request during building permit application process
- ✓ Created a draft code waiver request letter

Nabinger Hill Road:

- ✓ Building Permit issued 1/7/2020
- ✓ Shop drawings reviewed
- ✓ Site construction was started by Mid-State
- ✓ Tower foundation concrete placement on 1/17/2020 with follow-up on non-conformance items vs. approved drawings
- ✓ Contractor requested Sabre letter certification for the tower foundation non-conformance items.
- ✓ Contractor received and submitted a stamped and signed Sabre letter dated 1/29/20 approving the tower foundation non-conformance items.

Laurel Lake:

- ✓ Building Permit issued 1/7/2020
- ✓ Shop drawings reviewed

Significant activities underway or completed this period (Continued):

Sanford:

- ✓ Building Permit issued 1/7/2020

Maine:

- ✓ SEQR-related site visit completed on 1/2/2020
- ✓ FAA Issued Determination of No Hazard to Air Navigation, however it now appears site may need to be relocated
- ✓ Revised and submitted the site concept drawings for review and comments

Lisle:

- ✓ Submitted site access road and compound grading plan
- ✓ County DPW completed site access road construction

Deposit:

- ✓ Began work to obtain permit to cross Millennium pipeline

Windsor:

- ✓ Submitted site access road and compound grading plan
- ✓ County DPW began site clearing of the access road and compound area

Kirkwood:

- ✓ Submitted site access road and compound grading plan

Motorola:

- ✓ Bi-weekly conference calls continued with Motorola
- ✓ Asked Motorola to provide copies of the most recent coverage maps, including one showing coverage of East Cell towers vs. West Cell towers
- ✓ Motorola Lease is schedule for review and approval by the County Leg in February

Microwave:

- ✓ Contacted Aviat to request that they provide a proposal to build out the remaining links to the new towers being built now and later this year.
- ✓ Skype meeting with Aviat on 1/24/2020 to review links and loop reconfiguration needed for remaining tower sites
- ✓ Contacted Aviat to request that they provide an additional proposal for an IT link from Old State Road to the County Highway Garage

Significant activities underway or completed this period (Continued):

FCC Licensing – Part 22 Frequencies:

- ✓ Updated the FB8 and MO8 frequency chart for East Cell and West Cell
- ✓ Requested that V-Comm and/or Motorola clarify why one of the Part 22 frequency pairs was dropped from the FB8 list.
- ✓ County Attorney reviewing draft Goosetown agreement prior to sharing with Goosetown for their input
- ✓ Marcus Radio not very promising for a frequency sharing agreement. May need to utilize those Part 22 frequency pairs as off-network local channels.

FCC Licensing – Off-Network Frequencies:

- ✓ Created the first draft RFP for a frequency licensing consultant on 1/6/2020; Updated on 1/24/2020 with revised channel list

Talkgroup/Channel Fleetmap Planning:

- ✓ No activity this month

Next period's expected activities:

- ✓ Obtain City of Binghamton code official approval of waiver to allow issuance of Ely Park Building Permit
- ✓ County approval of Motorola Lease
- ✓ Motorola to provide cost proposal for core sharing option with CNYICC
- ✓ Resume talkgroup planning
- ✓ Complete a floorplan layout of the PSF Shelter
- ✓ County to issue RFP for off-network FCC licensing consultant
- ✓ Resolve Millennium Pipeline issue at Deposit Site
- ✓ Resolve location of Maine site
- ✓ Resubmit Maine site to FAA for review
- ✓ Create SWPPP for any site development exceeding 1 acre of disturbance
- ✓ Obtain access road waivers for remaining sites
- ✓ Aviat to provide cost (2) proposals: Public Safety MW, and IT MW
- ✓ Cultural site surveys at Lisle, Kirkwood, and Windsor sites

Project Status Report

Next period's expected activities (Continued):

- ✓ Finalize SEQR paperwork for Lisle, Kirkwood, and Windsor sites
- ✓ County Attorney to forward draft frequency sharing agreement to Goosetown
- ✓ Conference call with Tyler on 2/7/2020 to review Zetron console upgrade plans

Other important project information:

- ✓ None at this time.

Information/direction needed from client:

- ✓ Determine how to format the remaining site development design drawings (access road separate or part of construction contract?)



Broome County Emergency Communications Project - Phase 2 Site Development Checklist



Site Number -->	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8	Site 9	Site 10	Site 11	Site 12	Site 13	
Site Name -->	Nabinger Road	Sanford	Ely Park	Laurel Lake	Maine	Lisle	Kirkwood	Deposit	Windsor	Tuscarora (Legacy Tower) MW Relay Only	PSF Tower Site	Primary PSAP (Console Integration)	Backup PSAP (Console Integration)	Overall System
Tower Height -->	340'	300'	195'	199'	195'	195'	195'	195'	195'	198'	190'	N/A	N/A	
Task	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed
PROPERTY ACQUISITION:														
Site Selection	Complete	Complete	Complete	Complete	In Process	Complete	Complete	Complete	Complete	Not Required				
Site Walk	9/11/2018	1/17/19 & 2/22/19	3/28/18, 4/30/18, 7/24/18 & 11/28/18	4/5/2019	4/5/19, 4/12/19, 6/26/19 & 9/22/19	4/15/2019	4/5/2019	1/17/19, 2/22/19 & 4/29/19	4/29/19 & 6/4/19					
Site Plan Concept Drawing	10/12/2018	1/24/19 Lower, 1/24/19 Upper & 2/26/19	4/9/2018 & 12/13/18	4/11/2019 & 5/2/19	4/16/19, 7/1/19 & 12/3/19	4/11/2019 & 9/30/19	4/11/2019	1/23/2019, 2/26/19, 4/18/19 & 5/2/19	4/30/2019 & 6/5/19					
Property Acquisition (private owner sites)	Complete	Complete	Complete	Complete	In Process (Not locked down)	Complete	In Process (Locked down)	In Process (Locked down)	Complete	Not Required				
CAUD Approval (City of Binghamton)	N/A	N/A	Complete	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Property Lease Application and Negotiations Commercial Tower Lease Company sites)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
County 911 Address Assitgned	331 Nabinger Hill Road, Nineveh, NY 13813	678 Marsh Pond Road, Deposit, NY 13746	63 Ridge Road, Binghamton, NY 13905	542 Laurel Lake Road, Deposit, NY 13746	xxx Miller Road, Endicott, NY 13760 (Approx.) Site location not yet firm.	104 Costello Road	205 Kutalek Road			541 Cresson Hill Road, Windsor, NY 13865	2380 E. Bosket Road, Windsor, NY 13865			
SITE SURVEYS:														
Site Survey	1/3/2019	3/18/2019	5/14/2018	5/7/2019		7/11/2019.	7/12/2019	Quote requested 9/27/19	11/22/2019	Not Required				
Site Stakeout - Clearing Limits & Access Road	Complete	4/30/2019	Complete	Complete		11/12/2019				Not Required				
Site Stakeout - Tower and Fence	10/23/2019	11/12/2019	10/23/2019	10/23/2019										
Survey Form 1A or 2C Issued														
GEOTECH:														
Soil Boring	1/17/2019	Complete	Complete	Complete		7/26/2019	7/31/2019	In Process	In Process	Not Required				
Geotech Report	1/25/2019	6/5/2019	6/1/2018	6/5/2019		8/14/2019	8/15/2019	Waiting for Boring Log	Waiting for Boring Log	Not Required				
MICROWAVE PATHS:														
Microwave Analytical Path Survey by Aviat	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete				
Microwave Physical Path & Site Surveys by Aviat														
Aviat Confirms Required Dish Heights														
Aviat Procurement Contract Approved by County														
FCC License Issued for MW Path														
TOWER STRUCTURAL ANALYSIS:														
Structural Analysis of Existing Tower	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	July 2019 requested T- Mobile to provide			
Structural Reinforcement of Existing Tower (if required)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
ARCHAEOLOGICAL/CULTURAL:														
Cultural Resource Survey	Complete	3/14/2019	Complete	Complete						Not Required				
Cultural Resource Report	12/7/2017	3/25/2019	6/8/2018	5/6/2019						Not Required				
FCC Form 620	Complete	Complete	Complete	5/6/2019						Not Required				
SHPO Concurrence	12/14/2018	5/9/2019	7/19/2018	6/5/2019						Not Required				
Indian Tribe Consultations	1/21/2019	Complete	Complete	Complete						Not Required				
NEPA Checklist	2/21/2019	8/20/2019	3/6/2019	8/20/2019						Not Required				
NYSEG POWER:														
Power Utility Site Survey	Complete	Complete	Complete	Complete						Not Required				
Power Utility Easements Approved by Property Owner	Complete	Complete	Complete	In Process (evaluating alternate route)						Not Required				
P.O. Issued to NYSEG										Not Required				
NYSEG Construction Complete										Not Required				
NYSEG Meter Installed										Not Required				
FCC Tower Registration (if required)														
FCC TOWAIR Analysis	Tower >200'	Tower >200'	3/15/2018	6/21/2019	7/2/2019	6/21/2019	6/21/2019			Existing Tower				
FCC Tower Submittal	1/10/2019	2/4/2019 (1st site abandoned) Resubmitted 3/29/2019	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required				
Legal Notice Publication	2/13/2019	4/2/2019	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required				
FCC Issues ASR #	3/29/2019	5/22/2019	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required				
FCC ASR #	1309779	1310495	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required				



Broome County Emergency Communications Project - Phase 2 Site Development Checklist



Site Number -->	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8	Site 9	Site 10	Site 11	Site 12	Site 13	
Site Name -->	Nabinger Road	Sanford	Ely Park	Laurel Lake	Maine	Lisle	Kirkwood	Deposit	Windsor	Tuscarora (Legacy Tower) MW Relay Only	PSF Tower Site	Primary PSAP (Console Integration)	Backup PSAP (Console Integration)	Overall System
Tower Height -->	340'	300'	195'	199'	195'	195'	195'	195'	195'	198'	190'	N/A	N/A	
Task	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed
FAA Tower Registration (if required)														
FAA Tower Submittal	1/10/2019	2/1/2019 (site abandoned) Resubmittd 3/29/19	N/A	N/A	7/2/2019 - 1st Location. NEED TO RESUBMIT REVISED LOCATION	N/A	N/A	N/A	N/A	Not Required				
FAA Issues Determination of No Hazzard to Air Navigation	3/27/2019	4/30/2019	N/A	N/A	9/25/2019 - 1st Location. NEED TO RESUBMIT REVISED LOCATION	N/A	N/A	N/A	N/A	Not Required				
FAA Form 7460-2 Submitted when tower construction reaches full height			Not Required	Not Required	To be determined	Not Required	Not Required	Not Required	Not Required	Not Required				
SEQR:														
SEQR FEAF Part 1 Completed	Complete	Complete	Complete	Complete										
SEQR - Lead Agency Intent Letters Mailed	1/25/2019	4/11/2019	11/8/2019	5/31/2019										
SEQR Submit Lead Agency Intent to Public Safety Committee	Complete	4/11/2019	Complete	Complete										
SEQR - Board Approval to Act As Lead Agency	Complete	Complete	Complete	Complete										
SEQR - 30-Day Public Comment Period Complete	Complete	Complete	Complete	Complete										
Local Planning Board Approval (if required)	N/A	N/A	Complete (CAUD)	N/A										
Local Zoning Board Approval (if required)	N/A	N/A	Complete (CAUD)	N/A										
SEQR - Lead Agency Declaration by Board	Complete	Complete	Complete	Complete										
DEC Concurrence	Complete	Complete	Complete	Complete										
SEQR - FEAF Parts 2 & 3 Completed	Complete	Complete	Complete	7/11/2019										
SEQR - Submit Negative Declaration to Public Safety Committee for Approval	Complete	5/7/2019	Complete	Complete										
SEQR - Board Approval of Negative Declaraton	3/21/2019	6/20/2019	Complete	Complete										
EQUIPMENT PROCUREMENT:														
Equipment Bid Documents (Tower, Shelter, Generator, Propane Tank)	5/22/2019	5/22/2019	5/22/2019	5/22/2019	5/22/2019	5/22/2019	5/22/2019	5/22/2019	5/22/2019	5/22/2019	Not Required			
Equipment Bidding (Tower, Shelter)	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Not Required			
Equipment Procurement Contract Award (Tower)	Tower on Order	Tower on Order	Tower on Order	Tower on Order	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Not Required			
Equipment Procurement Contract Award (Shelter)	Shelter on Order	Shelter on Order	Shelter on Order	Shelter on Order	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Not Required			
Equipment Procurement Contract Award (Generator)	Delivered to Wayne Street warehouse	Delivered to Wayne Street warehouse	Delivered to Wayne Street warehouse	Delivered to Wayne Street warehouse	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Holding Order for 2020	Not Required			
SITE ACCESS ROAD CONSTRUCTION:														
Access Road Tree Clearing	Complete	Complete	Complete	Complete		Complete	Vendor Quote Requested							
Access Road Completed by County DPW	Complete	Complete	Complete	Complete		In Progress								
SITE CONSTRUCTION:														
Site Construction Drawings	Complete	Complete	Complete	Complete						Not Required				
Site Construction Bid Documents	Complete	Complete	Complete	Complete						Not Required				
Shellder Rack Layout Design/Drawing														
Shellder HVAC Load Calculations														
Installation of County IT Equipment and UPS														
Site Construction Bidding	Complete	Complete	Complete	Complete						Not Required				
Recommendation of Award Letter	Complete	Complete	Complete	Complete						Not Required				
Notice of Intent to Award Construction Contract	Complete	Complete	Complete	Complete						Not Required				
Contractor Insurance Forms Received	Complete	Complete	Complete	Complete						Not Required				
Site Construction Contract Award	Complete	Complete	Complete	Complete						Not Required				
Building Permit Application	Submitted 9/10/2019	Submitted 9/10/2019	Submitted 9/10/2019	Submitted 9/10/2019						Not Required				
Building Permit Issued	12/27/2019	12/27/2019	Pending resolution of City of Binghamton issues	12/27/2019						Not Required				
Site Construction Kick-Off Meeting	10/8/2019	10/8/2019	10/8/2019	10/8/2019						Not Required				
Site Construction Progress Meetings	Wednesdays at 2 PM	Wednesdays at 2 PM	Wednesdays at 2 PM	Wednesdays at 2 PM						Not Required				
Site Construction Start Date	1/13/2020			Started Feb 2020										
Code Enforcement Inspections during Construction	In Progress									Not Required				



Broome County Emergency Communications Project - Phase 2 Site Development Checklist



Site Number -->	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8	Site 9	Site 10	Site 11	Site 12	Site 13	
Site Name -->	Nabinger Road	Sanford	Ely Park	Laurel Lake	Maine	Lisle	Kirkwood	Deposit	Windsor	Tuscarora (Legacy Tower) MW Relay Only	PSF Tower Site	Primary PSAP (Console Integration)	Backup PSAP (Console Integration)	Overall System
Tower Height -->	340'	300'	195'	199'	195'	195'	195'	195'	195'	198'	190'	N/A	N/A	
Task	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed
Tower Stacking Complete														
Tower Obstruction Light Operational			Not Required	Not Required	<i>To be determined</i>	Not Required	Not Required	Not Required	Not Required	Not Required				
Shelter Start-Up by Shelter Manufacturer														
Generator Start-Up and Load Test by Generator Manufacturer														
Site Construction Final Inspection/Punch List														
Site Construction Complete														
AVIAT MICROWAVE:														
Aviat Equipment Delivered														
Aviat Dish(es) Installed on Tower														
Aviat Racks Installed in Shelter														
Aviat Microwave Path(s) Commissioned														
Aviat MW System Commissioned														
MW Final Inspection & Punch List														
MW Punch List Items Corrected														
County Final Acceptance of Microwave System														
SUBSCRIBER UNITS:														
Request for Motorola to schedule demo of various models														12/4/2019
Demo of various subscriber units by Motorola														
Initial Draft of Talkgroup/Channel Plan														
Agency Reviews/Input on Talkgroup/Channel Plan														
Talkgroup/Channel Plan Finalized														
Codeplugs Developed for Each Agency														
Portable Radios Programmed														
Mobile Radios Programmed														
Mobile Radios Installed in Vehicles														
SIMPLEX/NON-TRUNKED FREQUENCIES														
Select FCC Licensing Vendor														Draft RFP In Progress
Issue P.O.														
Frequencies Identified														
APCO Coordination														
FCC Applications Submitted														
FCC Licenses Issued														
ZETRON														
Console Upgrade Order Placed														
Console Upgrades Scheduled														
Console Upgrades Complete - Primary PSAP														
Console Upgrades Complete - Backup PSAP														
MOTOROLA														
Motorola Equipment & Services Lease Executed														In review by County Attorney. Planned Feb 2020 Legislative Mtng
Motorola Proposal for CNYICC Shared Core														Requested 10/9/2019. Due by 1/31/2020
Motorola Contract Revised for CNYICC Shared Core														
FCC License Issued for Trunked Site	Partially Complete. Still In Progress.	Partially Complete. Still In Progress.	Partially Complete. Still In Progress.	Partially Complete. Still In Progress.	Partially Complete. Still In Progress.	Partially Complete. Still In Progress.	Partially Complete. Still In Progress.	Partially Complete. Still In Progress.	Partially Complete. Still In Progress.	Partially Complete. Still In Progress.				
FCC License Issued for VCALL/VTAC's														
FCC License Issued for UCALL/UTAC's														
FCC License Issued for 8CALL/8TAC's														
Equipment Staging/Factory Acceptance Test														
Equipment Delivered to Site														
Antennas Installed on Tower														
Equipment Racks Installed in Shelter														
Dispatch Consoles Configured & Operational														
Core Configuration with Cortland County														
Individual Site Optimization by Motorola ST's														



Broome County Emergency Communications Project - Phase 2 Site Development Checklist



Site Number -->	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8	Site 9	Site 10	Site 11	Site 12	Site 13	
Site Name -->	Nabinger Road	Sanford	Ely Park	Laurel Lake	Maine	Lisle	Kirkwood	Deposit	Windsor	Tuscarora (Legacy Tower) MW Relay Only	PSF Tower Site	Primary PSAP (Console Integration)	Backup PSAP (Console Integration)	Overall System
Tower Height -->	340'	300'	195'	199'	195'	195'	195'	195'	195'	198'	190'	N/A	N/A	
Task	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed	Date Completed
Overall System Optimization by Motorola ST's														
System Coverage Acceptance Testing														
Radio System Final Inspection & Punch List														
Radio System Punch List Items Corrected														
County Final Acceptance of Radio System														