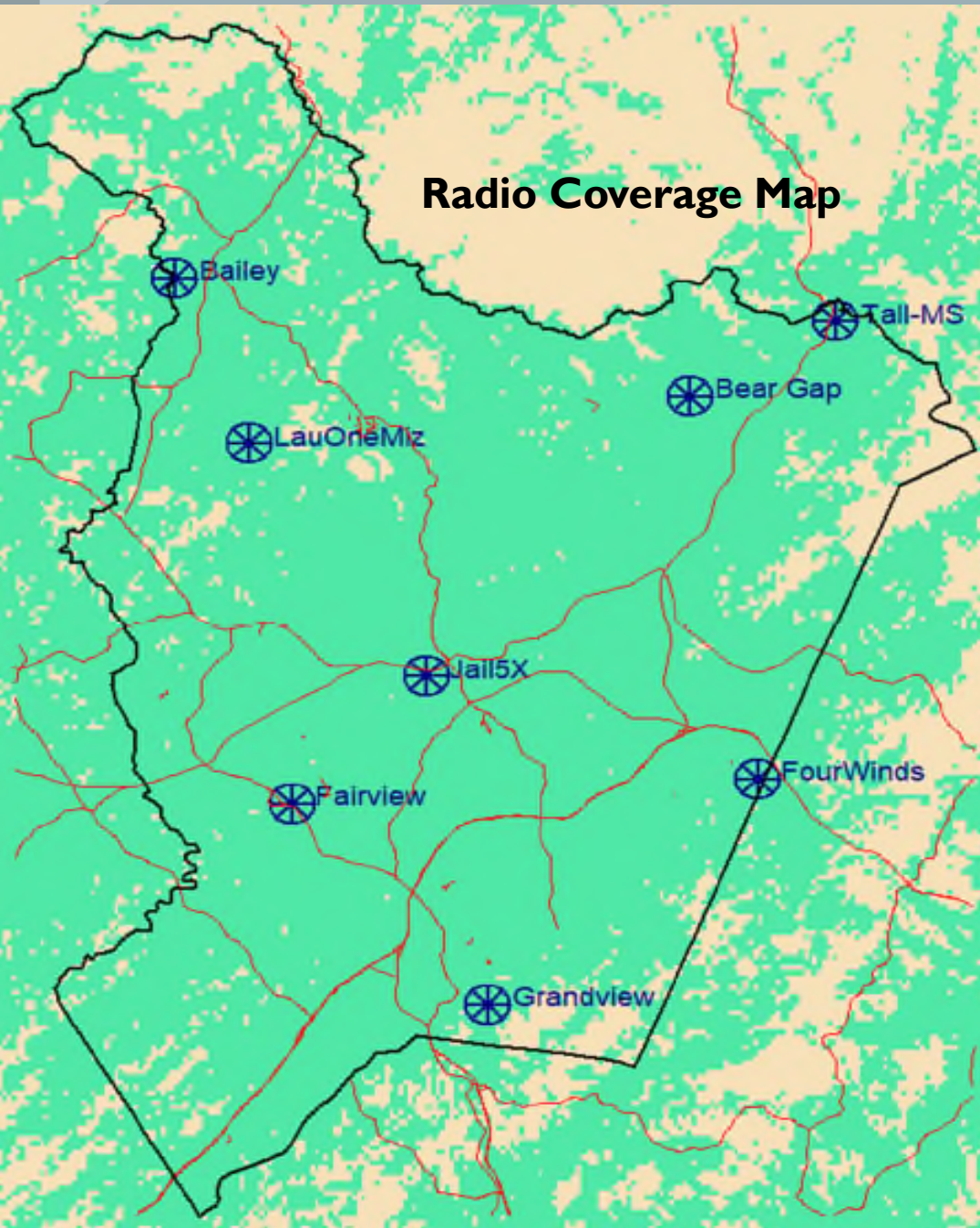
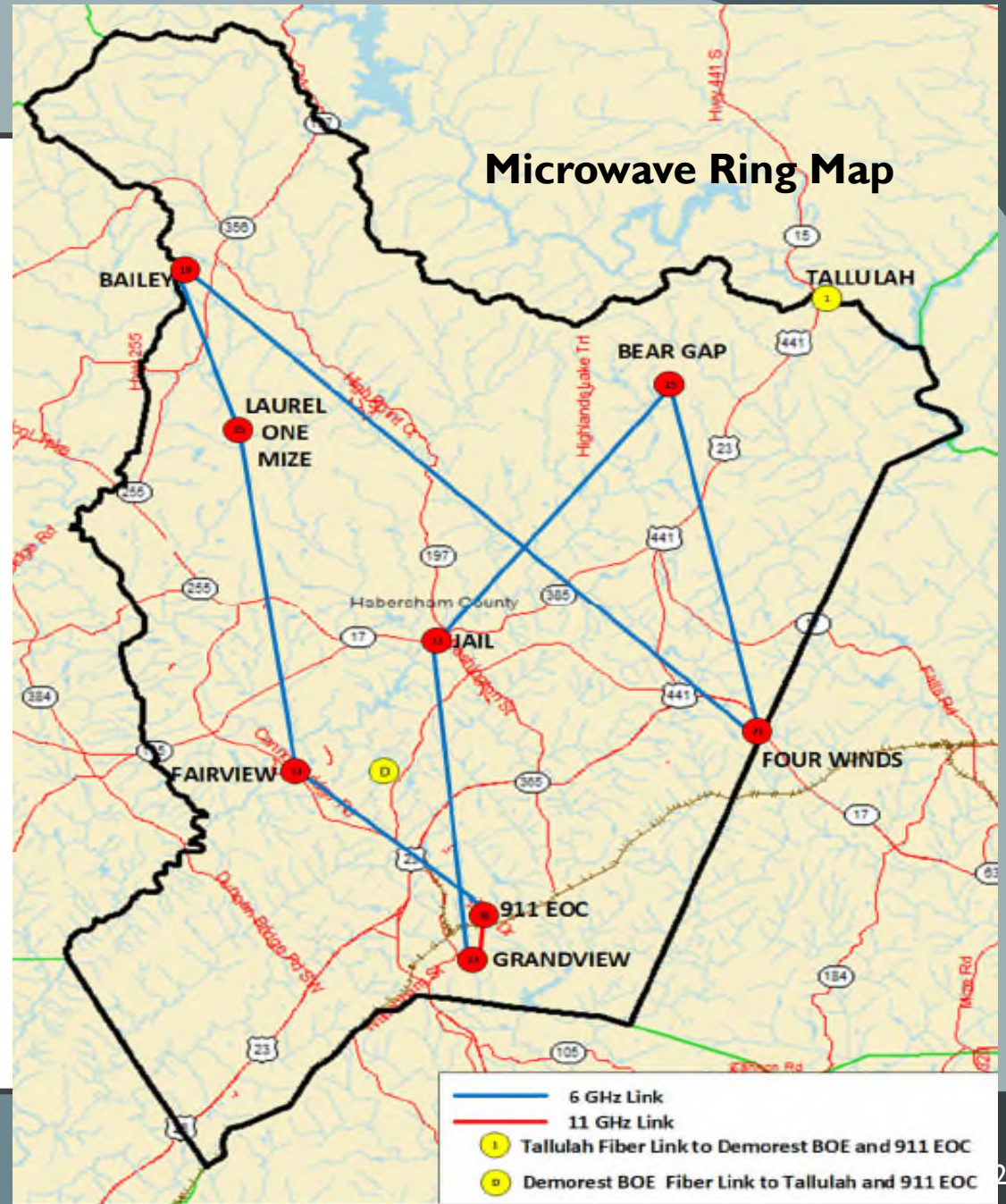


HABERSHAM COUNTY P25 RADIO PROJECT

Radio Coverage Map



Microwave Ring Map



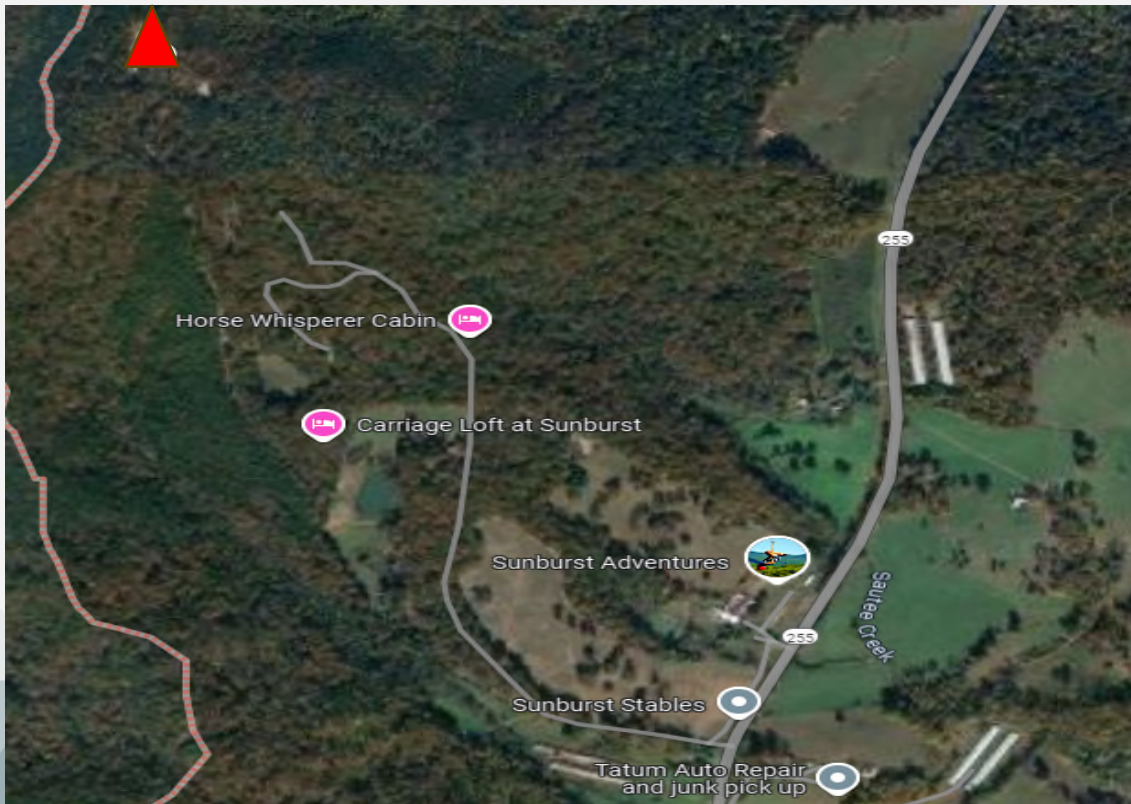
911/EOC

- Console furniture installed
- Radio console equipment on-site awaiting electrical work before installation
- Microwave equipment rack installed awaiting waveguide coax and dish installation and alignment
- 90ft monopole tower installed along with grounding system



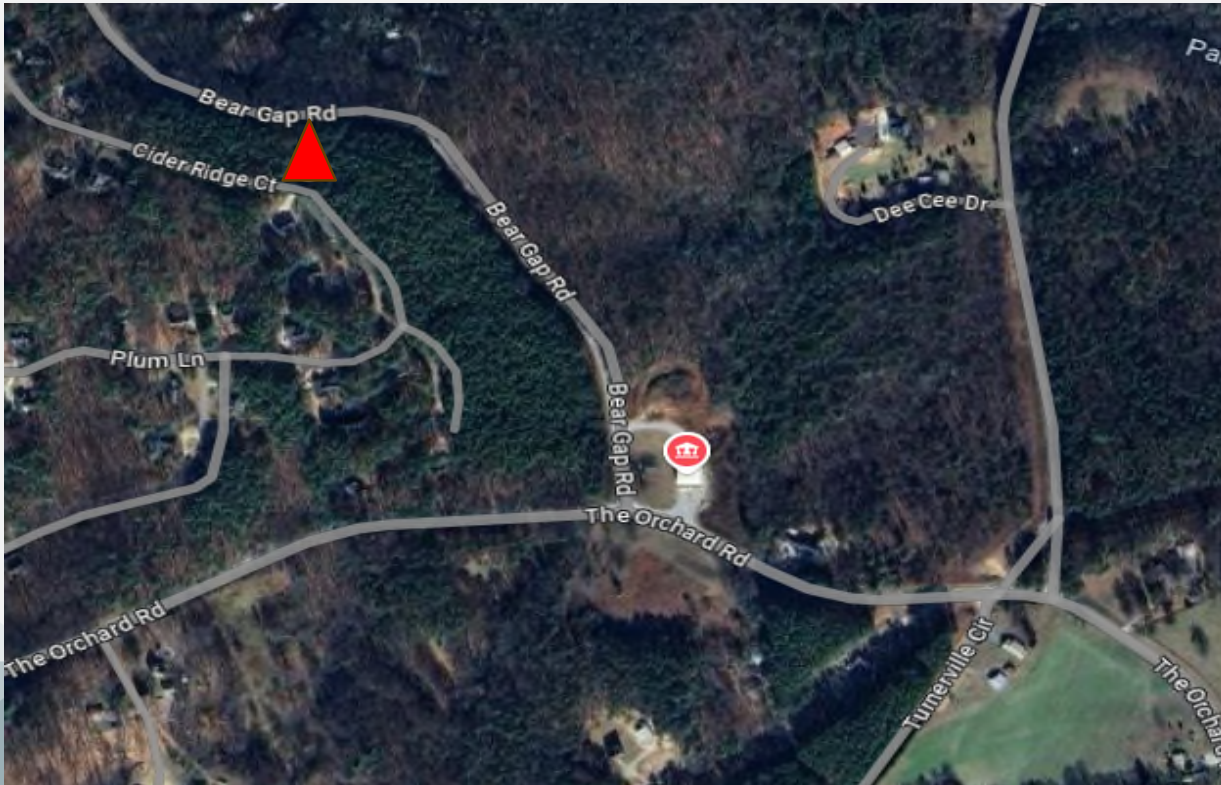
BAILEY

- Building, Generator, liquid propane tank and grounding system installation complete
- Radio system equipment installed awaiting coax and antenna installation and final configuration
- Microwave equipment installed awaiting waveguide coax and dish installation and alignment



BEAR GAP

- Building, Generator, liquid propane tank and grounding system installation complete
- Radio system equipment installed awaiting coax and antenna installation and final configuration
- Microwave equipment installed awaiting waveguide coax and dish installation and alignment



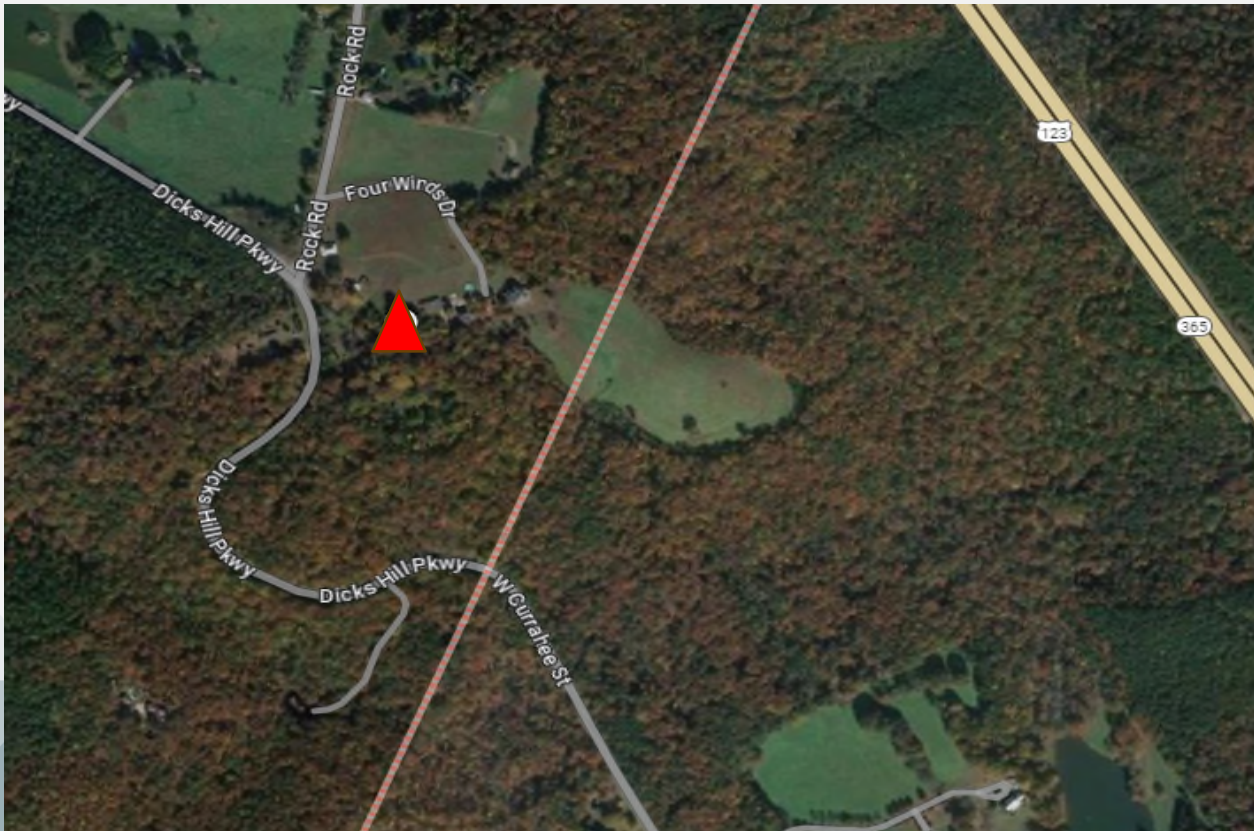
FAIRVIEW

- Tower, building, generator, liquid propane tank and grounding system installation complete
- Radio system equipment installed awaiting coax and antenna installation and final configuration
- Microwave equipment installed awaiting waveguide coax and dish installation and alignment



FOURWINDS

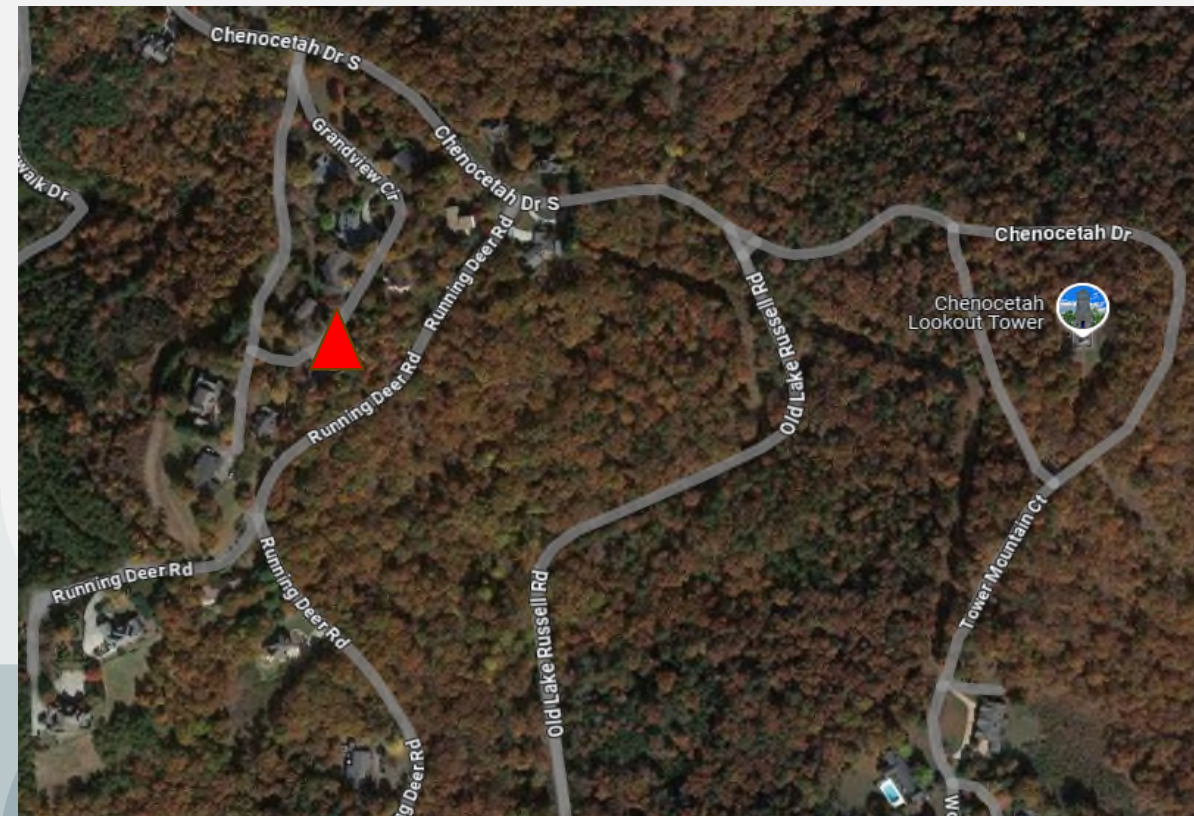
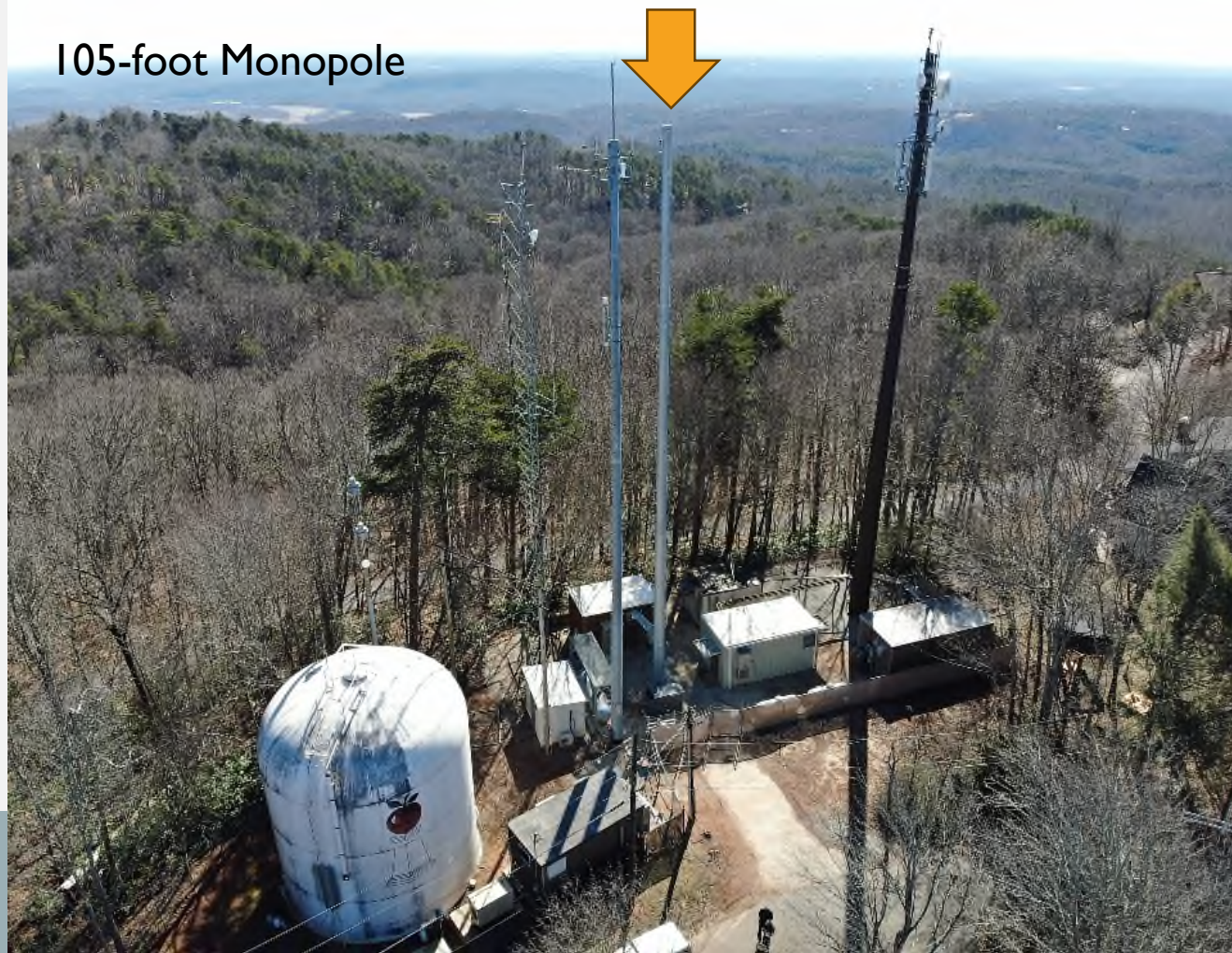
- Tower, building, generator, liquid propane tank and grounding system installation complete
- Radio system equipment installed awaiting coax and antenna installation and final configuration
- Microwave equipment installed awaiting waveguide coax and dish installation and alignment



GRANDVIEW

- Tower, building, generator, liquid propane tank and grounding system installation complete
- Radio system equipment installed awaiting coax and antenna installation and final configuration
- Microwave equipment installed awaiting waveguide coax and dish installation and alignment

105-foot Monopole



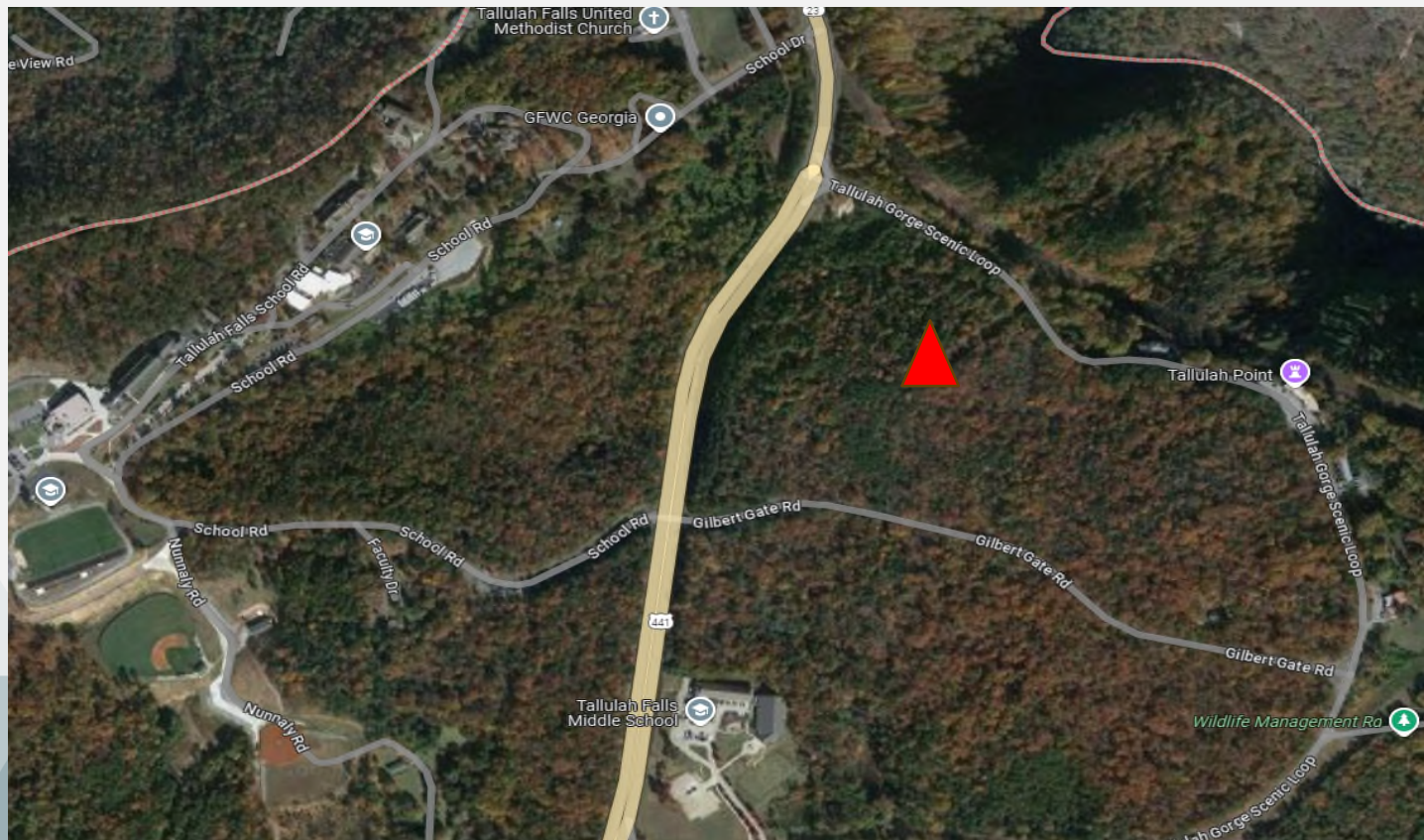
JAIL

- Tower, building, generator, liquid propane tank and grounding system installation complete
- Radio system equipment installed awaiting coax and antenna installation and final configuration
- Microwave equipment installed awaiting waveguide coax and dish installation and alignment
- Radio system cores installed at Jail tower site with redundant to be relocated to EOC/911



TALLULAH FALLS

- Existing tower site
- Electrical work completed
- Radio system equipment installed awaiting coax and antenna installation and final configuration



ONEMIZE

- Tower foundation complete
- Foundations for the building, generator and liquid propane tank poured on the 29th and 30th of January
- Tower along with building and generator scheduled for installation beginning of March



250-foot Self Supporter

NETWORK EXTENDERS

- Network Extenders are utilized to enhance coverage inside buildings where system radio coverage does not fully penetrate.
- Installation and equipment provided by the county and housing and power provided by partners.
- Habersham County will provide maintenance and upkeep of equipment.
- Issues with FCC frequency licensing could change equipment and engineering design at each location.



Cash Flow Break Down on Maintenance/Access Costs

Radio System Cash Flow

January 10, 2024

	15 year	Avg Per Year	Per Radio	Number of Units
System Maintenance Total Cost (15 years)	\$ 7,750,623.70	\$ 516,708.25	\$ 625.55	826
Radio Systems Administrator	\$ 1,245,000.00	\$ 83,000.00	\$ 100.48	
Site Leases	\$ 579,483.00	\$ 38,632.20	\$ 46.77	
Total Radio Maintenance Cost	941,640.00	62,776.00	76.00	
Total 15 year Maintenance Cost	\$ 10,516,746.70	\$ 701,116.45	\$ 848.81	

REVENUES

Charges Per Subscriber	# Radios	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	TOTAL
Habersham County	393	343,993	343,993	343,993	343,993	343,993	343,993	343,993	343,993	343,993	343,993	343,993	343,993	343,993	343,993	343,993	5,159,902
Alto	10	8,753	8,753	8,753	8,753	8,753	8,753	8,753	8,753	8,753	8,753	8,753	8,753	8,753	8,753	8,753	131,295
Baldwin	55	48,142	48,142	48,142	48,142	48,142	48,142	48,142	48,142	48,142	48,142	48,142	48,142	48,142	48,142	48,142	722,124
Clarkeville	47	41,139	41,139	41,139	41,139	41,139	41,139	41,139	41,139	41,139	41,139	41,139	41,139	41,139	41,139	41,139	617,088
Cornelia	77	67,398	67,398	67,398	67,398	67,398	67,398	67,398	67,398	67,398	67,398	67,398	67,398	67,398	67,398	67,398	1,010,973
Demorest	28	24,508	24,508	24,508	24,508	24,508	24,508	24,508	24,508	24,508	24,508	24,508	24,508	24,508	24,508	24,508	367,627
Mt Airy	4	3,501	3,501	3,501	3,501	3,501	3,501	3,501	3,501	3,501	3,501	3,501	3,501	3,501	3,501	3,501	52,518
Tallulah Falls	21	18,381	18,381	18,381	18,381	18,381	18,381	18,381	18,381	18,381	18,381	18,381	18,381	18,381	18,381	18,381	275,720
Piedmont University	3	2,626	2,626	2,626	2,626	2,626	2,626	2,626	2,626	2,626	2,626	2,626	2,626	2,626	2,626	2,626	39,389
NG Tech	2	1,751	1,751	1,751	1,751	1,751	1,751	1,751	1,751	1,751	1,751	1,751	1,751	1,751	1,751	1,751	26,259
School Board	186	162,806	162,806	162,806	162,806	162,806	162,806	162,806	162,806	162,806	162,806	162,806	162,806	162,806	162,806	162,806	2,442,091
10,516,746.70																	
875.30	826	722,999	722,999	722,999	722,999	722,999	722,999	722,999	722,999	722,999	722,999	722,999	722,999	722,999	722,999	722,999	10,844,985

EXPENDITURES

	Contract Cost	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	TOTAL
System Maintenance	7,750,624	-	-	-	407,670	418,267	667,198	490,116	451,939	1,728,630	476,049	507,711	784,568	507,796	521,297	789,384	7,750,624
Radio Sys Administrator	1,230,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	1,230,000
Terminal/Radio Maint.	941,640	-	-	-	-	-	86,598	86,598	86,598	86,598	86,598	94,890	94,890	94,890	94,890	94,890	907,440
\$76 per Radio 15 yrs																	
Site Leases	\$ 579,483.00	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 38,632.20	\$ 579,483.00
Total Expenditures	10,501,747	120,632	120,632	120,632	528,302	538,899	874,428	697,346	659,169	1,935,860	683,279	723,233	1,000,090	723,318	736,819	1,004,906	10,467,547
TOTAL BY YEAR		602,367	602,367	602,367	194,697	184,100	(151,429)	25,653	63,830	(1,212,861)	39,720	(234)	(277,091)	(319)	(13,820)	(281,907)	377,438.04
CUMULATIVE TOTAL		602,367	1,204,734	1,807,100	2,001,797	2,185,897	2,034,468	2,060,121	2,123,950	911,089	950,809	950,575	673,484	673,165	659,345	377,438	377,438.04

Upcoming Project Items



- Field radio purchases to start in March
- Cash flow analysis to be finalized
- Inter-Governmental Agreement to be finalized for participating agencies
- Memorandum of Understanding to be finalized with surrounding counties for interoperability communications
- County wide signal testing to be completed to verify radio signal coverage
- Radio System cutover/migration plan to be finalized
- Date of radio system cutover/migration to be identified and scheduled with all agencies
- Punch list made for any incomplete project items to be completed after cutover/migration
- Habersham County along with our consulting firm are pushing for a June 2025 cutover timeline
- Franklin County has signed with Communications International to join Habersham's system
- Timeline on completion of Franklins system looks to be two years out



Project Delays

- Fairview site relocation, landowner lease agreement, easement agreement with BOE for erosion control.
- Grandview tower compound redesign after concerns from Southern Company requiring additional soil samples for new tower location and engineering review.
- Bear Gap: process of possible alternative tower compound locations and engineer reviews, legal issues with construction of tower compound on current location
- Fourwinds: negotiations with water maintenance company on installation of antenna system on water tank
- OneMize: relocation of the tower compound from original location. Search for alternative location. Additional land survey to identify property boundaries. Negotiations with landowner on compound location and lease agreement. Legal issues with surrounding property owner.
- Site location acquisitions have been the main delay in the project.

THANK YOU