

Appendix A: Current Infrastructure

Voice System and Consoles:

The Dodge County radio network consists of nine tower sites with seven conventional channel (six analog and one P25 digital) VHF repeater sites configured as a simulcast system. The core of the system, where the Motorola MCC 7500E dispatch consoles are interconnected, is at the Dodge County Sheriff's Office located at 124 West St, Juneau, WI. The Motorola core, along with the voting and Intraplex mux equipment is the heart of the nine site simulcast system.

Backhaul:

The fiber ring in the city of Juneau runs underground from Highway Department building to Administration building. From there, it routes to the Sheriff/Dispatch Building and then underground to the Jail. From the Jail it routes overhead on poles along highway 26 to Clearview. From Clearview it routes to Henry Dodge and then back to the Highway Department Building.

The Juneau fiber is connected to the microwave system that interconnects the sites. This interconnectivity is represented in the following diagram demonstrating a star type microwave configuration.



Paging:

The current paging system is using a channel in the VHF simulcast system.

Existing Towers:

Name	Latitude	Longitude	ASR	Street Address
County Dispatch	43° 24' 26.94"	-88° 30' 36.3918"	N/A	124 West St, Juneau, WI
Ashippun	43° 15' 9.756"	-88° 30' 36.3918"	1282498	2289 Cleveland Rd, Neosho, WI
Beaver Dam	43° 27' 16.6788"	-88° 50' 1.6398"	N/A	205 S Lincoln Ave, Beaver Dam, WI
Fox Lake	43° 33' 4.7622"	-88° 55' 22.3104"	1246924	1079 Mill Rd, Fox Lake WI
Juneau	43° 24' 33.5658	-88° 42' 3.7002"	1035575	211 E Center St Juneau WI
Knowles Tower	43° 34' 10.9302"	-88° 30' 14.3244"	1248573	W1287 South Ave, Knowles WI
Mayville	43° 29' 13.1496"	-88° 33' 24.8862"	N/A	595 S. Clark St., Mayville, WI
Reeseville	43° 20' 53.2458"	-88° 28' 16.3884"	N/A	300 Watertower Lane Reeseville, WI
Rubicon	43° 20' 53.2458"	-88° 28' 16.3884"	1042727	W1522 Grant Rd, Rubicon WI
St. Helena	43° 22' 41.2782"	-88° 38' 54.2142"	1035574	North 5084 St Helena Road, Juneau WI