

# Long Lines site: Gray Summit, Missouri

- **Common Language Identifier:** GRSMMO
- **Coordinates:** A: 38°32'22.40" N, 90°45'02.30" W (38.53956 N, 90.75064 W)  
B: 38°32'21.50" N, 90°45'02.30" W (38.53931 N, 90.75064 W)
- **County:** Franklin
- **AT&T call sign:** KAI81 (inactive)
- **Antenna Structure Registration (ASR):** A: [1005494](#); B: [1240176](#)
- **Height (overall):** A: 110.6 meters (362.86 feet); B: 85.3 meters (279.86 feet)
- **Current owner:** American Tower Corporation
- **Currently in use?** Yes
- **Horn antennas?** No
- **Original hops:** 1960 — [Hermann](#) (NW), Wright City (NNW, telephone only), St. Louis CO (ENE), [Hillsboro](#) (SSE, telephone only).
- **Later hops:** 1979 — Sullivan (SW)

Hidden by trees off historic Route 66 about 30 miles southwest of downtown Saint Louis is the former Gray Summit, Missouri, repeater for the AT&T Long Lines microwave network.

Built in 1953, this site originally hosted four hops: two carrying telephone/television traffic along the Kansas City-St. Louis route (northwest to Hermann, east-northeast to the St. Louis “Olive” toll office), and two for telephone traffic along the Elsberry-Campbell-Memphis, Tennessee route (north-northwest to Wright City, and south-southeast to Hillsboro.) Between 1966 and 1979, a fifth hop was added southwest to Sullivan, which continued southwestward to the Rosati site.

The Gray Summit site has two towers and a base station that has been expanded at least once. (The original base station was a white block building similar to those found elsewhere on the Kansas City-St. Louis route. The addition is a “semi-hardened” solid concrete design, similar to the addition found at the Dover site.) All original antennas, such as the horn-reflector antennas, have been removed.

The taller of the two towers is labeled “Gray Summit 1A” and currently has various antennas installed up and down it. Its top platform could hold two antennas. “Gray Summit 1B” appears to have been used as the main tower, with two top platforms that could hold six antennas. The “B” tower also has cell antennas on it.

The site is presently owned by American Tower Corporation, who leases space to wireless communications companies. ATC has installed “modern” base stations inside the tower area for use by lessees, who also have installed external equipment shelters as well.

HORNS ACROSS MISSOURI: Gray Summit

**Online site page:**

<https://personal.garrettfuller.org/blog/att-long-lines/missouri-long-lines-sites/long-lines-site-gray-summit-mo/>

**Photos: October 17, 2024**



*The two towers. The left tower is “Gray Summit A” (ASR 1005494) and right tower is “Gray Summit B” (ASR 1240176.)*

HORNS ACROSS MISSOURI: Gray Summit



*Looking at the site from the street.*



*The original (1953) white block portion of the base station, which is the northwestern part of the structure.*

HORNS ACROSS MISSOURI: Gray Summit



*Part of the “semi-hardened” solid concrete addition, which was built around the southern edge of the original base station structure.*