

FEDERAL COMMUNICATIONS COMMISSION
CLASS OF STATION AM

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The following application is submitted for action by the Chief, Broadcast Bureau

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
OH	BZ		GREAT TRAILS BROADCASTING CORP.	
	-950328AB	WING	DAYTON	
		1410KHZ	OH	

LICENSE EXPIRATION DATE OCT 1, 1996

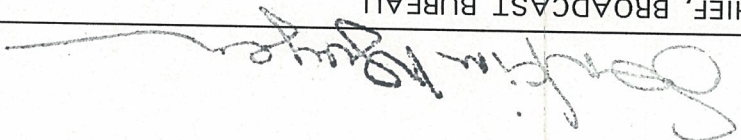
CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT () CONSTRUCTION DATES, START _____ END _____
CONTESTED () UNCONTESTED ()

APPROVED

JUL 25 1995

FOR CHIEF, BROADCAST BUREAU



F.C.C.-WASHINGTON, D.C.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

File No. : BZ-950328AB

Call Sign : WING

LICENSEE:

Great Trails Broadcasting Corporation

3. Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's rules)

4. Main Studio Location: (See Section 73.1125)

5. Remote control location

1. Community of License... : Dayton, Ohio

2. Transmitter location.... : 717 East David Road
Dayton, Ohio

North Latitude..... : 39° 40' 56"
West Longitude..... : 84° 09' 33"

6. Antenna and ground system:
Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 12 & 21.

8. Frequency..... : 1410 KHz

9. Nominal power (kW)..... : 5.0 Day 5.0 Night

Antenna input power (kW):
5.0 Day Non-directional antenna : current 12.9 amperes: resistance 30 ohms.
 Directional antenna :

5.4 Night Non-directional antenna : current 10 amperes: resistance 54 ohms.
 Directional antenna :

10. Hours of operation : BZ-790413AA

11. Conditions..... : ---

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,¹ the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time
October 1, 1996

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period.
The license is issued on the licensee's representation that the statements contained in the licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.
This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This license is subject to the right of control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

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FEDERAL
COMMUNICATIONS
COMMISSION



¹ This license consists of this page and pages 2 & 3
Dated: JUL 25 1995

File No.: BZ-950328AB

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1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Two tapered, self-supporting, series excited vertical radiators. Theoretical RMS: 917.33 mV/m @ 1 km. Augmented RMS: 993.55 mV/m @ 1km. Q = 27.02.

Height above Insulators: 118 m (200°)

Overall Height: 119.5 m

Spacing and Orientation: Spaced 148 meters (251°) on a line bearing 78.32° True.

Non-Directional Antenna: East tower with west tower grounded. Theoretical efficiency: 411.99mV/m/Kw.

Ground System consists of 120 equal spaced, buried, copper radials 85 meters in length except where terminated by property boundaries, plus a 14.6 m x 14.6 m ground screen about the base of each tower.

2. **THEORETICAL SPECIFICATIONS**

Towers: #1(E) #2(W)

Phasing: 0° 35°

Field Ratio: 1.0 0.85

3. **OPERATING SPECIFICATIONS**

Phase Indication*: 0° 24.7°

Antenna Base

Current Ratio: 1.0 1.1684

Antenna Monitor Sample

Current Ratio: 1.00 1.018

* As indicated by Potomac Instruments AM-19D (204) Antenna Monitor.
Antenna sampling system approved under Section 73.68 (b) of the Rules.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 75.7° True North. From WING transmitter proceed east for two blocks on East David Road to Ackerman Boulevard. Turn left on Ackerman Boulevard and proceed to Stroop Road. Turn right onto Stroop Road and travel about 1.13 km to Locustwood Drive. Turn right onto Locustwood Drive and proceed 0.24 km. The monitor point is located 36.6 m south of the intersection Hyfield and Locust wood Drive. Distance from transmitter 1.05 miles. The field intensity measured at this point should not exceed 284 mV/m.

Direction of 201° True North. From WING transmitter proceed west on East David Road to Route 48. Turn left onto Route 48 and proceed 2.57 km to intersection of Whipp Road. Turn right onto Whipp Road and travel 1.05 km to Seton Hill Road. Turn left onto Seton Hill Road and travel 0.32 km to Wellsley Way. Turn right onto Wellsley Way and go about 91.4 m to where the road starts to bend. Monitor point is located 9.1 m west of road, just at the bend of the road and on the creek bank. Distance from transmitter 1.97 miles. The field intensity measured at this point should not exceed 25 mV/m.

Direction of 310.5° True North. Go west from the WING transmitter to Lebanon Pike (Ohio Route 48); thence north on Lebanon Pike to Stroop Road. (0.54 km); thence west on the Stroop Road about 2.25 km to Southern Boulevard; thence north on Southern for about 1.21 km to Cottonwood Drive; thence east on block to Allendale Drive; thence south 67.1 m along the center of line of Allendale Drive from the center line Cottonwood Drive to point. Distance from transmitter 2.1 miles. The field intensity measured at this point should not exceed 39 mV/m.