

COLOCATION FEASIBILITY ANALYSIS

To: Tillman Infrastructure
Site Number: 11655718 / TI-OPP-29018
Search Radius: N/A

Date: 4/8/2024
Coordinates: 42.826456, -88.749369
Requested Rad: 160'

Summary Area Review:

No other sites within search area feasible for colocation. No sites outside of search area potentially viable.

Analysis:

AT&T requested a tower capable of supporting a 160' RAD as close as possible to the coordinates 42.826456, -88.749369 in order to meet its coverage objective. Proposed tower is located at 42.81912825, -88.75383307, within 2,930' of coverage objective. There are no existing structures 160' in height within this radius. Therefore, per Wis. Stat. 66.0404(2)(b)(6) there are no alternative structures within the search area that can meet this requirement. This finding is supported by Paragraph 6 of the March 15, 2024 affidavit from Andrew Flowers, Lead Real Estate Manager for AT&T.

City of Whitewater Ordinance 19.55.050 requires an evaluation of three alternative sites, pre-existing freestanding wireless telecommunications facilities, and/or alternative support structures that could technically support a comparable level of service. There are no such alternative sites in the surrounding area. There are no alternative support structures such as water tanks or tall buildings within the search area. There are no pre-existing telecommunications structures within the search area.

Outside of the search area, the three nearest structures of 160' or above are:

ASR Registration Number 1050104:

- 42.811667°, -88.758333°
- 280; guyed mast owned by Wisconsin Electric Power Company
- approximately 1.13 miles southwest of coverage objective
- too distant from coverage objective location to technically support comparable level of service

ASR Registration Number 1326923:

- 42.8306, -88.71101
- 195' proposed self-support tower owned by Tillman Infrastructure
- approximately 2 miles east of coverage objective
- AT&T already planning to colocate on this tower if approved, coverage objective location too distant to technically support comparable level of service

ASR Registration Number 1324313:

- 42.852306, -88.727944
- 220' proposed self-support tower owned by Walworth County, not yet constructed
- approximately 2.18 miles northeast of coverage objective
- too remote, overlapping existing A&T coverage provided by site WIL01196 located on ASR tower 1233524 and site WIL02695 located on ASR Tower 1324313

Zoning Requirements:

City of Whitewater, WI

[Ordinance 19.55.050\(H\):](#)

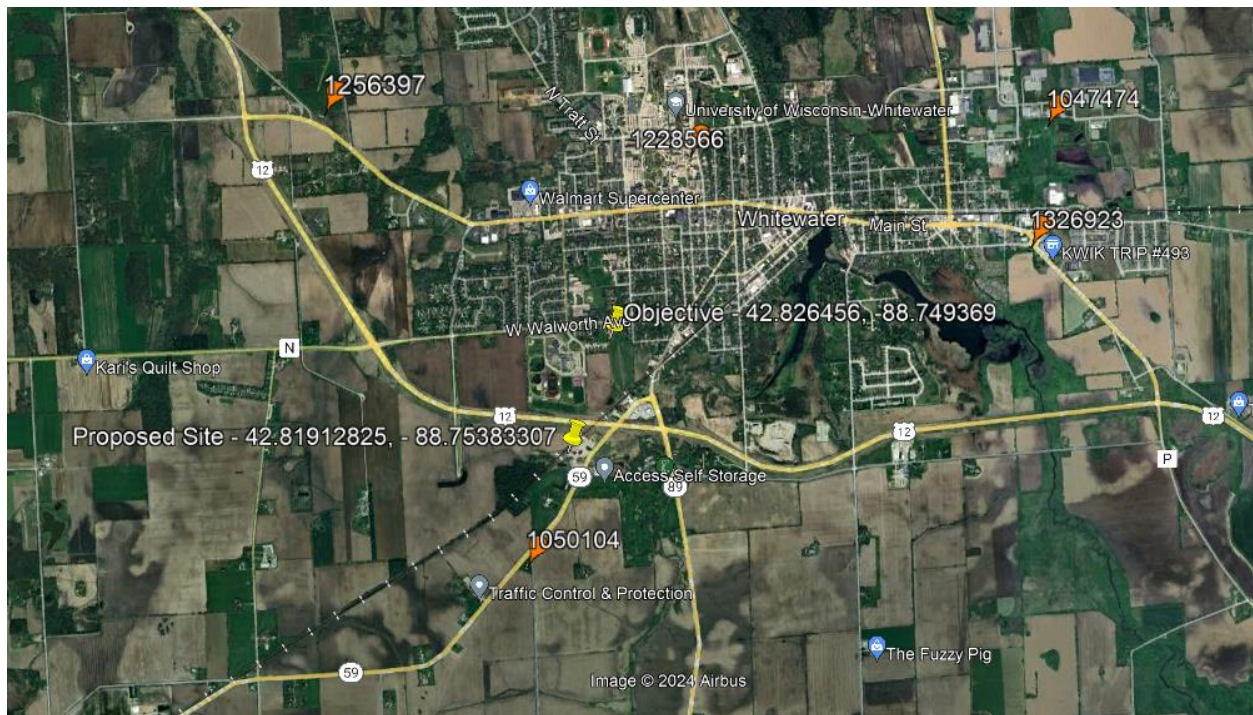
For a wireless telecommunications facility that requires a conditional use permit, a feasibility analysis that identifies at least three alternative sites, pre-existing freestanding wireless telecommunications facilities, and/or alternative support structures that could technically support a comparable level of service. The intent of this analysis is to present options to minimize the number, size, and adverse environmental impacts of wireless telecommunications facilities. The analysis shall specifically address the potential for co-location on pre-existing freestanding wireless telecommunications facilities and the use of alternative support structures. It shall also explain the rationale for selection of the proposed site in view of the relative merits of the alternatives. Approval of the project is subject to the plan and architectural review commission's determination that the chosen site is more advantageous than any other alternative site that is both technically feasible and available for use. The plan and architectural review commission may choose to independently verify the findings of the analysis at the applicant's expense.

State of Wisconsin

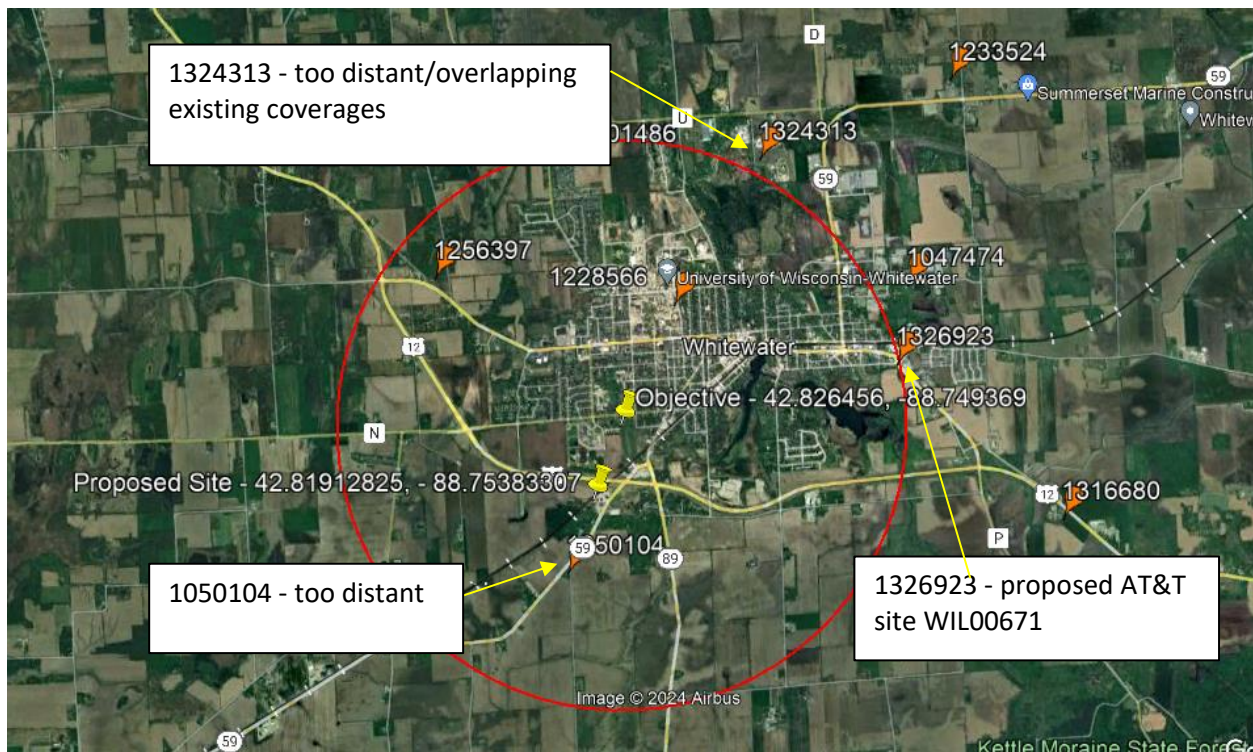
[Wis. Stat. 66.0404\(2\)\(b\)\(6\)](#)

If an application is to construct a new mobile service support structure, an explanation as to why the applicant chose the proposed location and why the applicant did not choose collocation, including a sworn statement from an individual who has responsibility over the placement of the mobile service support structure attesting that collocation within the applicant's search ring would not result in the same mobile service functionality, coverage, and capacity; is technically infeasible; or is economically burdensome to the mobile service provider.

Search Area:



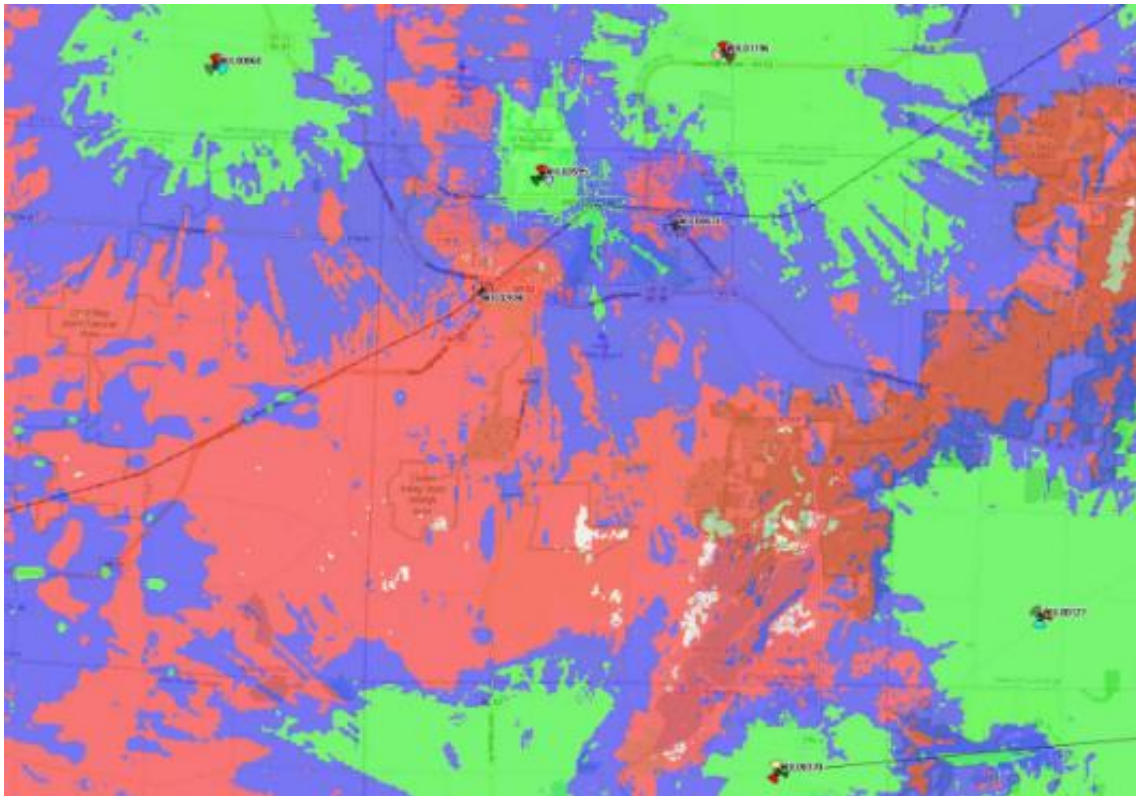
Search Area with ASR Registered Towers (2-mile radius):



Three Closest Potential Alternate Structures:

- ASR 1050104 – does not meet coverage objective
- ASR 1326923 – unconstructed, AT&T already proposed colocation WIL00671 on this site
- ASR 1324313 – unconstructed, overlapping coverage with WIL01196 and WIL02695 and does not meet coverage objective

AT&T Signal Propagation Map (Existing):



AT&T Signal Propagation Map (Proposed):

