KCI TECHNOLOGIES

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

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June 26th, 2024

City of Laredo
Planning Department
1413 Houston Street
Laredo, Texas 78040

RE: Request for Approval of 150' Monopole Telecommunications Tower at 2320 Bob Bullock Loop, Parcel Number 264646

I am writing to formally notify you of our intent to submit a zoning application for the installation of a new 150-foot Monopole telecommunications tower and associated 2,500-square-foot ground compound near 2320 Bob Bullock Loop, parcel number 264646. This proposal aligns with the growing need for enhanced telecommunications infrastructure in the area and seeks to address the increasing demand for reliable and efficient communication services.

Included with this submission, you will find the RF justification and coverage map provided by the carrier, detailing the technical specifications and necessity for this project.

The proposed site is located in a high growth market saturated in the City of Laredo. This new site will provide the necessary coverage to the densely populated homes, schools, business, nearby Laredo Government facilities, and commuters for wireless customers in and around the surrounding area.

Thank you for considering our proposal. We look forward to the opportunity to discuss this further and provide any additional information as needed. Please do not hesitate to contact me if you have any questions or require further clarification.

Regards,
KCI Technologies, Inc.

Haley Garvin

Haley Garvin
Project Manager

Subject: TX23187-S WM3518 Derby Ave - RF Coverage Maps

From: Kebede, Surafel Mathias <surafel.kebede@verizonwireless.com>
Sent: Friday, June 28, 2024 7:08 PM
To: Oliver, Jeanette <jeanette.oliver@verizonwireless.com>
Cc: Jose Mancilla <JMancilla@sbasite.com>; Ivana Petru-Hotop <IPetru-Hotop@sbasite.com>; Tara Sprague <tara.sprague@verizonwireless.com>
Subject: FW: [External] Fwd: [E] Derby Ave - RF Help

Please find below the RF Justification & coverage map for the proposed new site “DERBY_AVE” where the RF preliminary design prediction run at the [27.514972, -99.447389] location with 120' RAD center.

"***The proposed Verizon Wireless site “DERBY_AVE” is located in a high growth market saturated in the City of Laredo. This new site will provide the necessary coverage to the densely populated homes, schools, business, nearby Laredo Government facilities, and commuters for wireless customers in and around the surrounding area.***

Adding this site equipped with 4G+5G wireless carriers and advanced technology will provide better coverage, significantly reduce the Customers experience network access issues and poor throughput around the proposed new site location.

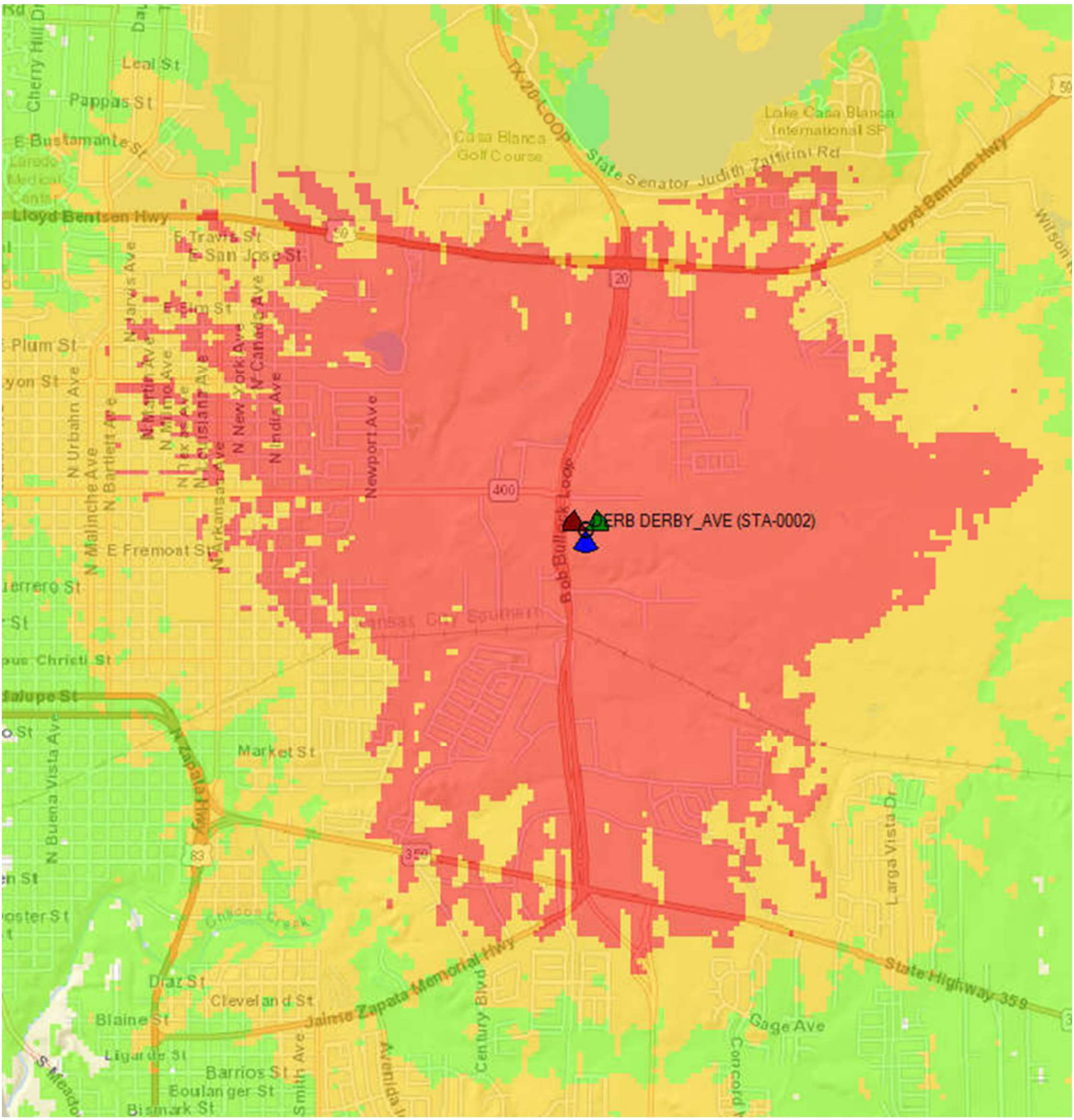
North West of the “DERBY_AVE” new site location, the existing site “PRICE & SEYMORE” currently triggering traffic on Beta sector at 252%. If no additional carriers are added, the trigger is projected to increase to 487% in 2025.

North East of the “DERBY_AVE” new site location, the Gamma sector of an existing site “CASA_BLANCA” currently triggering traffic on the Sub 3 carrier at 102%. If no additional carriers are added, the trigger is projected to increase to 156% in 2025, then 210% in 2026.

Also, South of the “DERBY_AVE” new site location, the existing site “ZAFFIRINI” is currently triggering traffic on Alpha sector Sub 1 carrier at 258%.

In the current active project, the new design configuration for this site includes, adding 5G [C-Band] & 4G [700 MHZ, AWS, PCS, CBRS] carriers with latest radio equipment , advanced beamforming mode & smart multiband Antennas, an ideal solution for independently optimizing multiple 5G/4G in services carriers, also capable to support new technologies.

Most importantly, this new “DERBY_AVE” site besides providing RF coverage, will tremendously help to offload capacity around the surrounding sites, allow customers to better stay connected, increase speeds and ultimately improve the customer experience in the area."



Best
Better
Good