

# AGENDA MATERIAL

DATE 4-18-23 ITEM NO. RA 38

BRYAN  
CAVE  
LEIGHTON PAISNER **BCLP**

April 17, 2023

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Supervisor Adelita Grijalva, Chair  
Pima County Board of Supervisors  
33 N. Stone, 11th Floor  
Tucson, Arizona 85701

**Via Email (COB\_mail@pima.gov)**

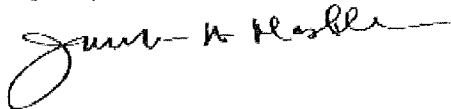
Re: Conditional Use Permit Application P22CU00013; 11990 S. Sierrita Mountain Rd., Tucson Arizona 85736 (the "Property")

Dear Chair Grijalva and members of the Pima County Board of Supervisors:

I am writing to supplement my April 14, 2023 letter to you on behalf of the applicant, VB BTS II, LLC ("Vertical Bridge"), with respect to the above request for a type III conditional use permit ("CUP") at the Property.

Attached is a letter and supporting materials from Ben Shaprio, Senior RF Engineer with T-Mobile. Mr. Shaprio's letter addresses the need for the communication tower at this location and at this height in order to address T-Mobile network coverage and capacity needs. I anticipate that Mr. Shaprio will be available telephonically for the hearing on this CUP application tomorrow, April 18, 2023.

Regards,



Jacob A. Maskovich

Enclosures

cc: Thomas Drzazgowski (Thomas.Drzazgowski@pima.gov)  
Anita McNamara (Anita.McNamara@pima.gov)  
Christine Tucker (christinetucker@clearblueservices.com)

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APR 18 2023 10:00 AM



**T-Mobile**

1330 W Southern Ave  
Ste A-102  
Tempe AZ 85282

To whom it may concern

T-Mobile is seeking to build a new transmission Site, PH68187 US-AZ-7053 Raindance, located at 11990 S Sierrita Mountain Rd, Tucson AZ 85736. We are proposing this new construction to meet the needs of the City's residents, businesses and emergency responders. The nearest existing Site is over 4mi distant and is congested due to data demands. The area is also expanding rapidly causing capacity and coverage constraints. The new tower will meet the demands of the community and be at a suitable height for a long-term solution.

Our vendor has identified a location for a New Build which will provide wireless High-Speed capability to the population and offload ~24% of the heavy use of data in the area

Future network growth in this area is critical to T-Mobile and we will not be able to appropriately provide coverage for the mobile traffic and provide FCC mandated speeds. T-Mobile appreciates your consideration in reviewing this matter.

Thank you for your time,

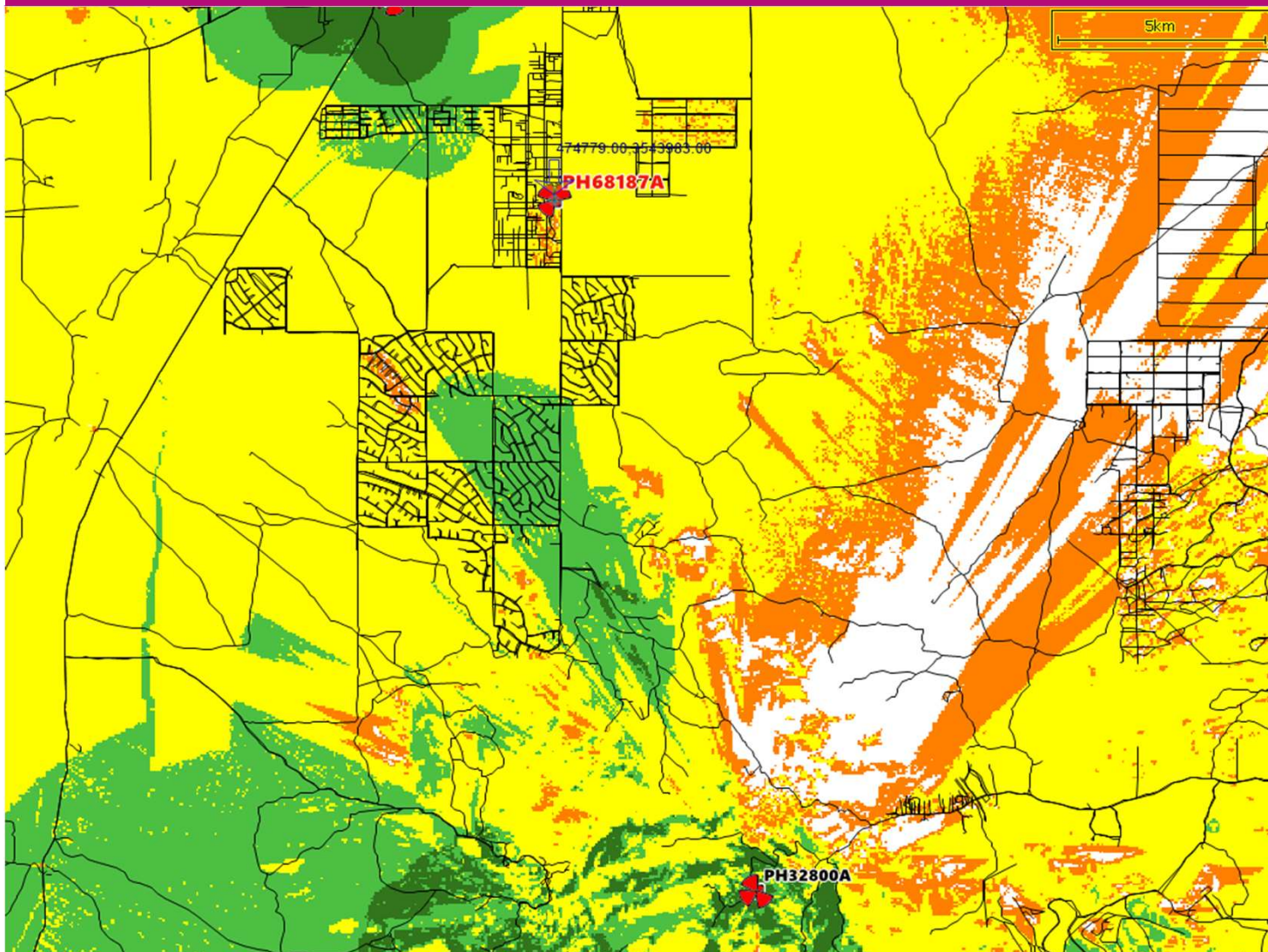
**Ben Shapiro**

Sr RF Engineer  
623.806.8962

**T Mobile**

12520 SE 38<sup>th</sup> Street, Bellevue, WA 98005  
www.t-mobile.com

## LTE PCC outdoor – Mid Band Existing LTE coverage without PH68187A

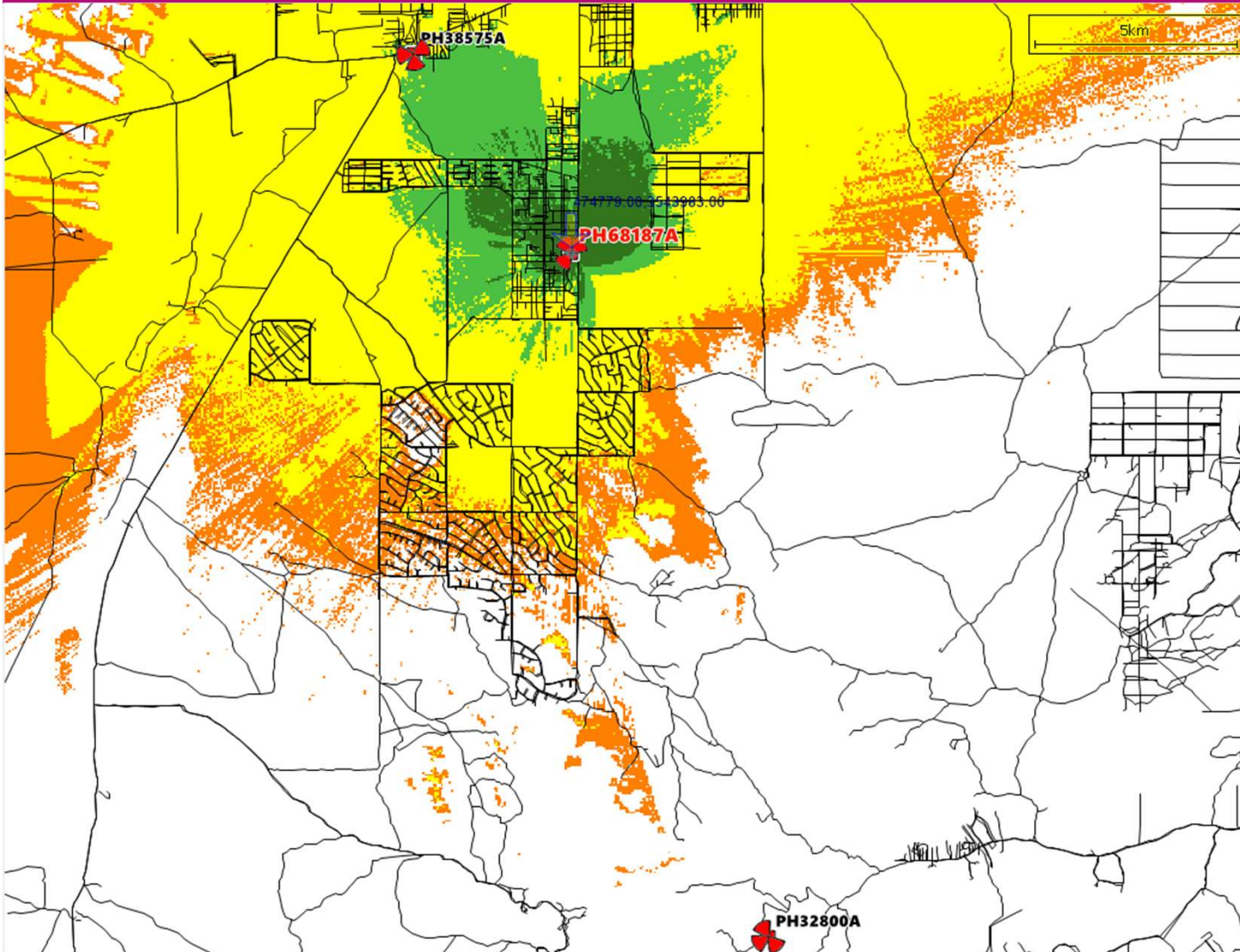


- Existing Coverage from mountain top south at 11mi. Mountain top Sites are designed for umbrella coverage and not capacity
- Existing Site to the north at 4mi is congesting due to highway and residential demands

LTE: Best RSRP - PCC\_GIS\_LTE, Outdoor

Orange	-120 <= x < -114 dBm Outdoor
Yellow	-114 <= x < -97 dBm In-Car
Light Green	-97 <= x < -91 dBm IB-Residential
Dark Green	-91 <= x < -85 dBm IB-Commercial

## LTE PCC outdoor –Mid Band PH68187 @61ft. Ant Centre, 3xSector@45/220/330

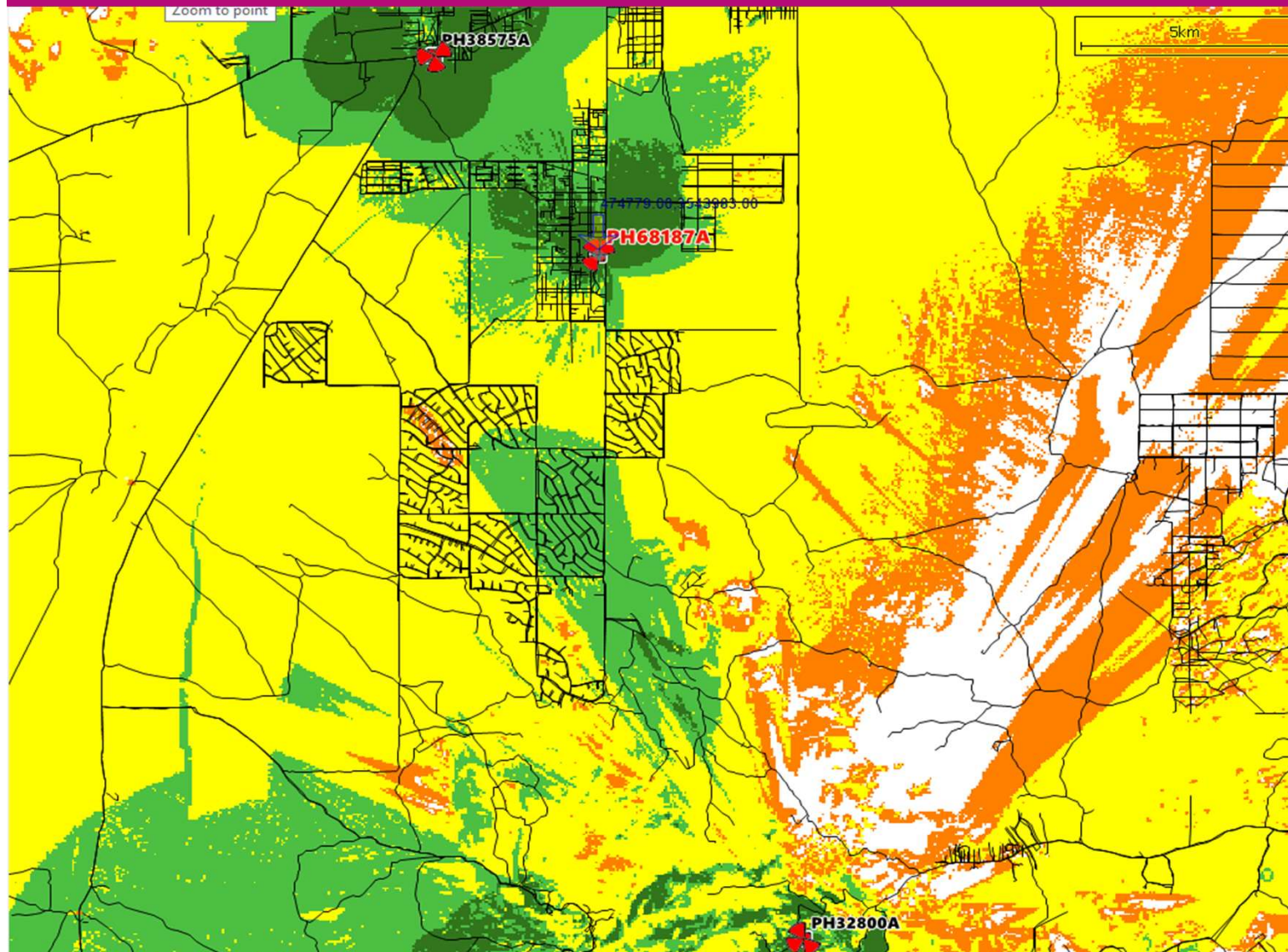


- Site placement is key to provide service for the expanding residential and student communities

LTE: Best RSRP - PCC\_GIS\_LTE, Outdoor

- $-120 \leq x < -114$  dBm Outdoor
- $-114 \leq x < -97$  dBm In-Car
- $-97 \leq x < -91$  dBm IB-Residential
- $-91 \leq x < -35$  dBm IB-Commercial

# LTE PCC outdoor – Mind Band Existing LTE coverage with PH68187 @61ft. Ant Centre, 3xSector@45/220/330



- PH68187 is critical to connect and provide contiguous coverage
- Capacity is best served with In-Building Residential and In-Building Commercial cellular power levels
- Planned Site will address customer concerns in the community of Mira Bell as well as providing critical coverage to the Three Points Fire Station and related responders

