



**AZ03-022 Rodeo / AZ5\_HENNESS**

**SUP-009-15**

**October 28, 2015**

**Pinal County Board of Supervisors**



# Project Summary

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- The proposed installation of a new one hundred twenty foot communications facility to support the Verizon Wireless network in Pinal County.
- Project shall include a 50'X50' compound enclosed by an 8' CMU wall painted to blend with desert environment.
- Associated ground equipment cabinets for Verizon Wireless + backup generator.
- Panel antenna array engineered for current Verizon Wireless LTE (4G) wireless communications.
- Tower + Compound space for additional carriers in the future.



# Project Location





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# Project Justification

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- The proposed project fills a significant gap in coverage by eliminating current capacity problems within the network.
- The proposed project as designed is the least intrusive means to solve the coverage / capacity problems for immediate area.
- The communications facility is designed to accommodate at least three additional carriers should it be needed.
- This project is part of a larger investment by Verizon Wireless in surrounding Pinal County / Casa Grande area.
- Handset Mobile Data in the U.S. is expected to grow 650% by 2018 with tablet growth expected to be 370% during the same period.



## Project Justification – Who Benefits?

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- There are numerous benefits to improved coverage / capacity from new wireless infrastructure.
- Emergency Services: The Federal Communications Commission estimates more than 70% of 911 calls are placed from cell phones. This number is growing as more people “unplug”.
- First Responders: Many first responders now use cell phone GPS in their mobile laptops or tablets to located an address or the location where the call originated.
- Law Enforcement and US Border Patrol rely heavily on wireless communications to protect and serve.
- Community: Everyone from residents / businesses / visitors benefit from improved communications.



# Planning & Zoning Comments

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- No Stealth Design (This area is not conducive to a stealth design due to limited vegetation and lack of existing structure. Consider weather treating the pole and painting the antennas to match)
- Applicant has not provided sufficient information that multiple shorter towers (that would accommodate stealth design) is not possible. (The proposed design fills a significant gap in coverage by the least intrusive means possible. Multiple shorter towers are not viable in a large open environment with highway coverage)
- There are existing vertical elements on the property, such as a water tower and light poles. No evidence was submitted showing these are not viable co-location options.



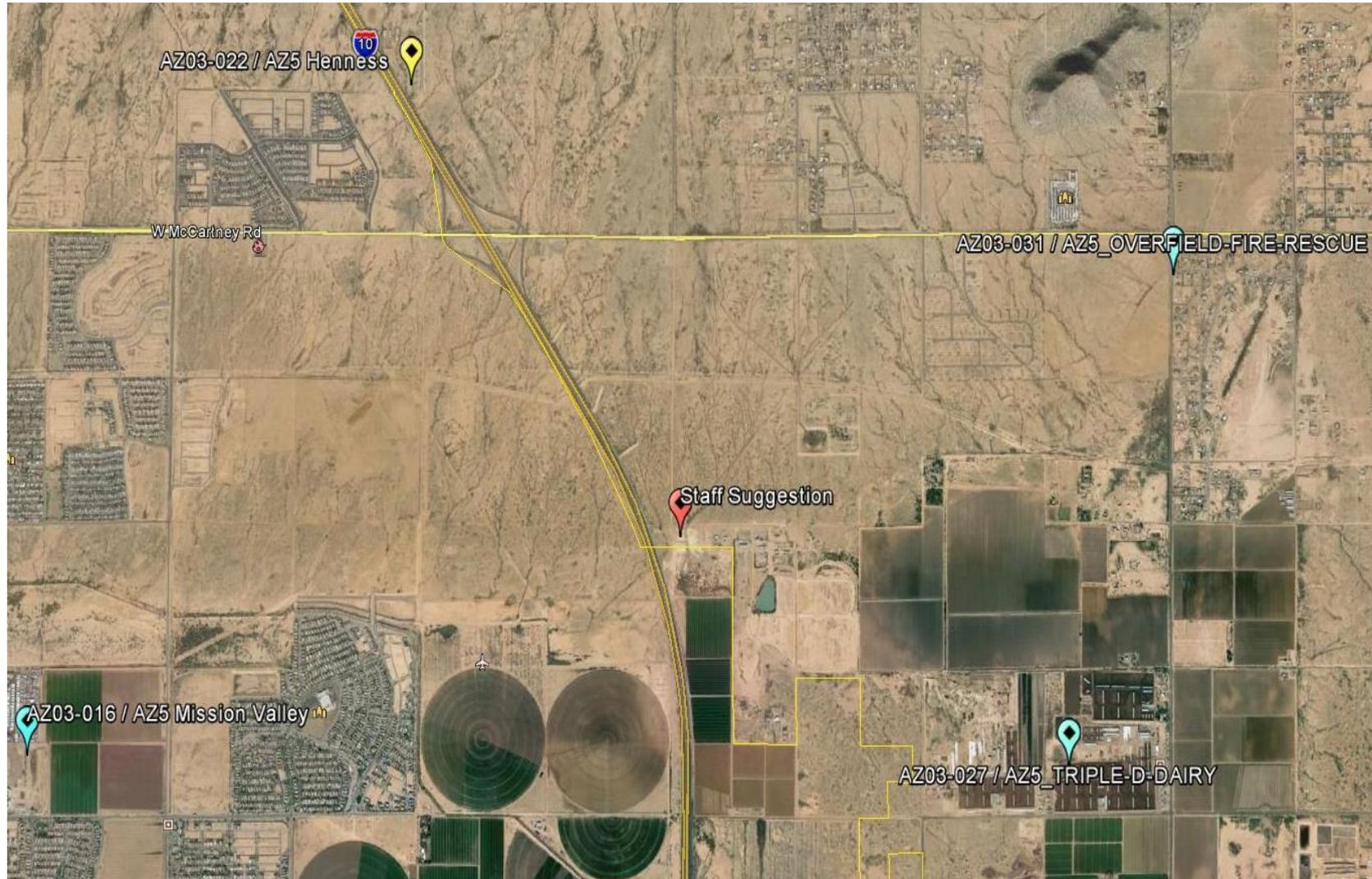
## Planning & Zoning Comments

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- (Existing vertical elements are not viable from a coverage perspective nor are they adequately engineered to current International Building Codes for foundation design / strength of steel / wind loading)
- No Coverage Gap (This area does not currently provide adequate LTE 4G / broadband coverage. In addition, the capacity problems from too many users on the network is creating additional coverage problems. Verizon is here because there is a need)
- There is an alternative site south of the subject property that may accommodate a tower of this site without a SUP. (The suggested property is very close to another facility being developed in the Casa Grande jurisdiction located at 2135 N Overfield Road. The located suggested by planning does not meet with objectives for this project)



# Planning & Zoning Comments





# Planning & Zoning Comments

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- If approved application agrees with all stipulations provided in the Planning & Zoning Staff Report.



# Final Statements

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- The applicant requests SUP-009-15 should be approved by the Pinal County Board of Supervisors because the proposed project fills a significant gap in coverage / capacity for Verizon Wireless.
- The design for SUP-009-15 is the least intrusive means to fill the significant gap in coverage / capacity.
- Questions / Comments