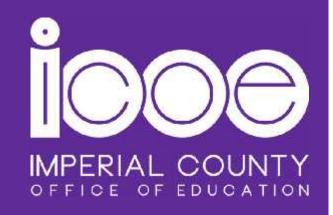


# Closing the Homework Gap: Connecting Our Underconnected Communities

www.borderlink.org



## Introductions

**Dr. Todd Finnell, County Superintendent of Schools** 

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**Imperial County Office of Education** www.icoe.org





Located on the Southeast corner of the State

Borders with Mexico, Arizona and San Diego and Riverside Counties Sparsely populated and mostly agricultural land - 4,482 square miles Estimated population 183,191

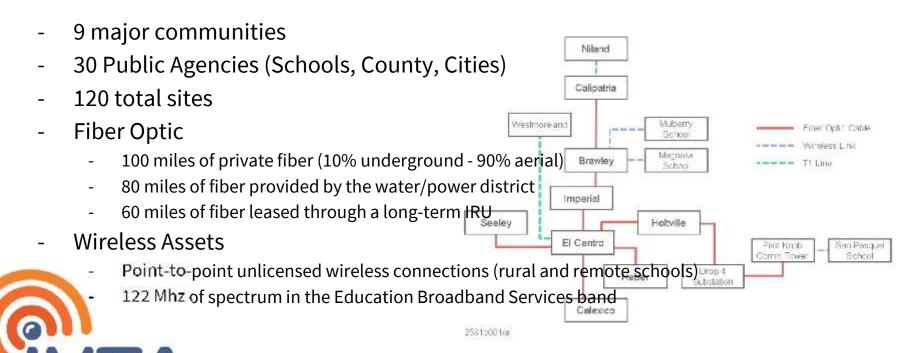
Serving approximately 37,573 students in 67 schools (16 school districts)

74% of families qualify for the free and reduced lunch program

43% of students are English Language Learners
Serve many migrant families

"Our vision is for Imperial County to be the most connected community in the nation" - Todd Finnell, Imperial County Superintendent of Schools

# Imperial Valley Telecommunication Authority



# Imperial County

Consortium of **5 educational institutions** hold all the EBS channels available within Imperial County GSA.

Imperial County Office of Education Central Union High School District Imperial Valley College Meadows Union School District Seeley Union School District

Total capacity = 112.5 Mhz

Channel A 22.5 Mhz

Channel B 22.5 Mhz

Channel C 22.5 Mhz

Channel D 22.5 Mhz

Channel G 22.5 Mhz

## The why.

Within every district, there are hundreds, or even thousands, of students who do not have Internet access once they leave the classroom. Nationwide, 5 million households with school-age children lack Internet access at home. Low-income students feel the impact of the Homework Gap far more than their more affluent classmates. Ultimately, this disadvantaged position jeopardizes the student's performance, grades, and even graduation rates.

### Consider this...

Roughly 7 in 10 teachers assign homework that requires access to Internet 42 percent of teachers say their students lack sufficient access to technology outside of the classroom

Even worse, only 3 percent of teachers in high-poverty schools said that their students have the digital tools necessary to complete homework assignments 5 million households with school-age children do not have high-speed internet service at home. Low-income households – and especially black and Hispanic ones – make up a disproportionate share of that 5 million 31% of households whose incomes fall below \$50,000 and with children ages 6 to 17 do not have a high-speed internet connection at home High school students who have broadband Internet at home have graduation rates 6 to 8 percentage points higher than students who don't

### The what... BorderLink

Wireless overlay on our existing fiber network infrastructure

Procurement process started in April of 2017 to operate our private 4th

**Generation LTE network using Band 41** 

Now underway in the cities of Brawley, El Centro, Heber, Seeley, and

#### Westmorland

Provide service to approximately **1,600 students** 

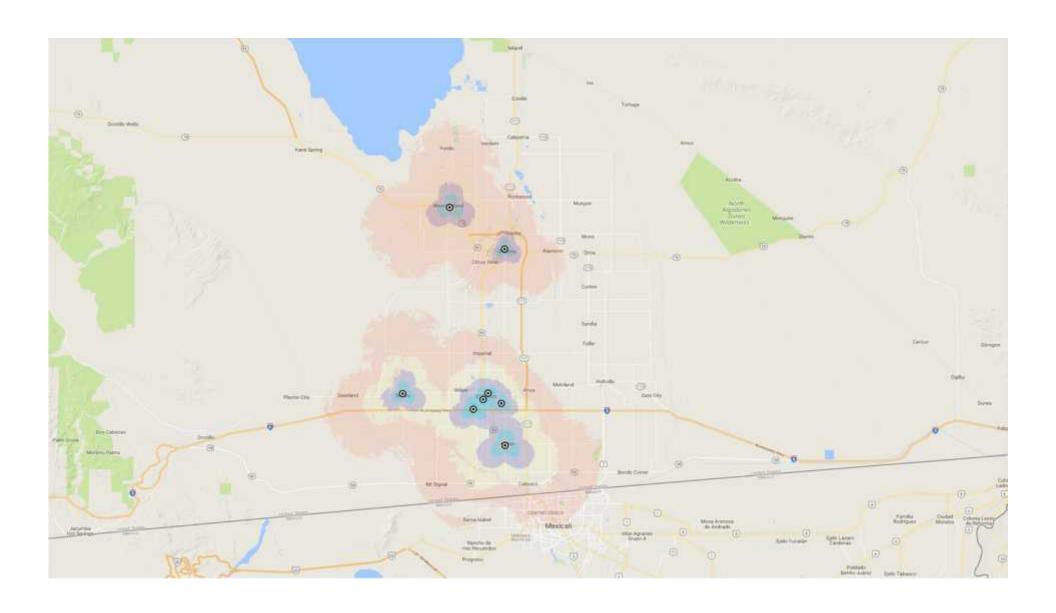
#### **Equipment:**

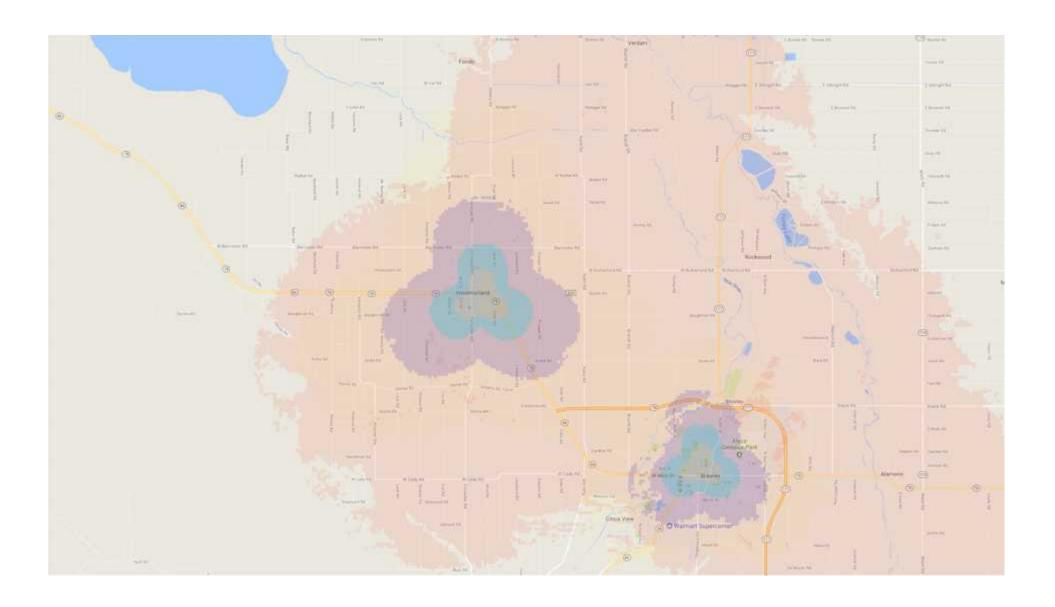
6 cell sites

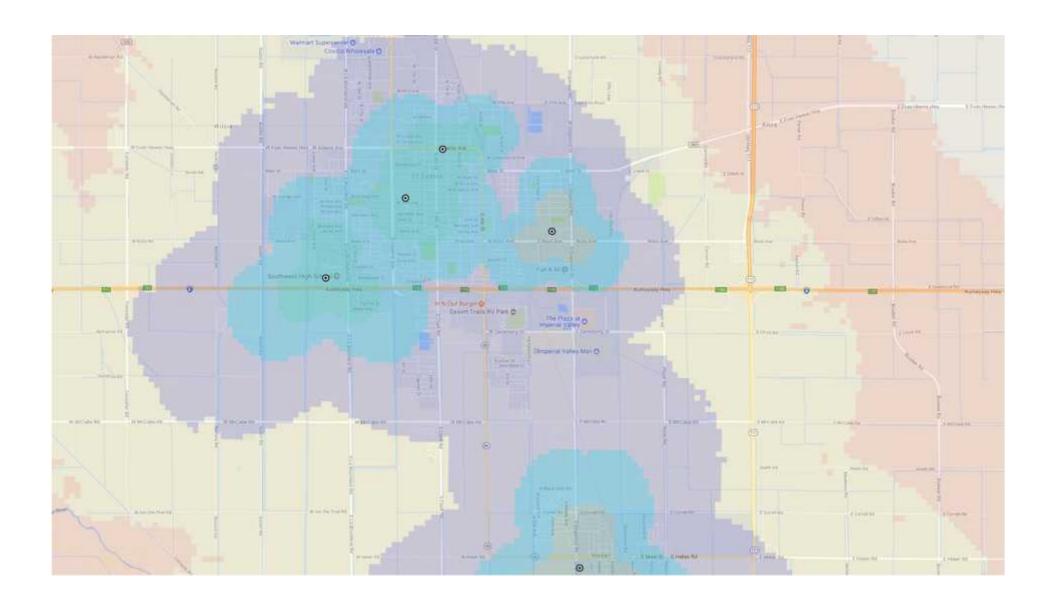
1,600 CPE devices

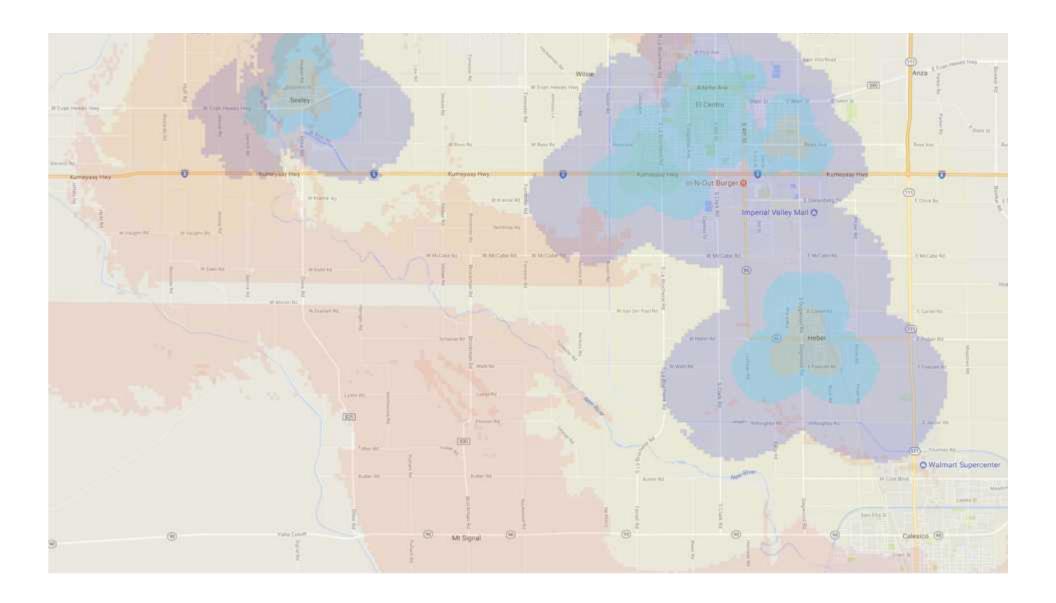
1 LTE core with capacity to serve 200,000 subscribers



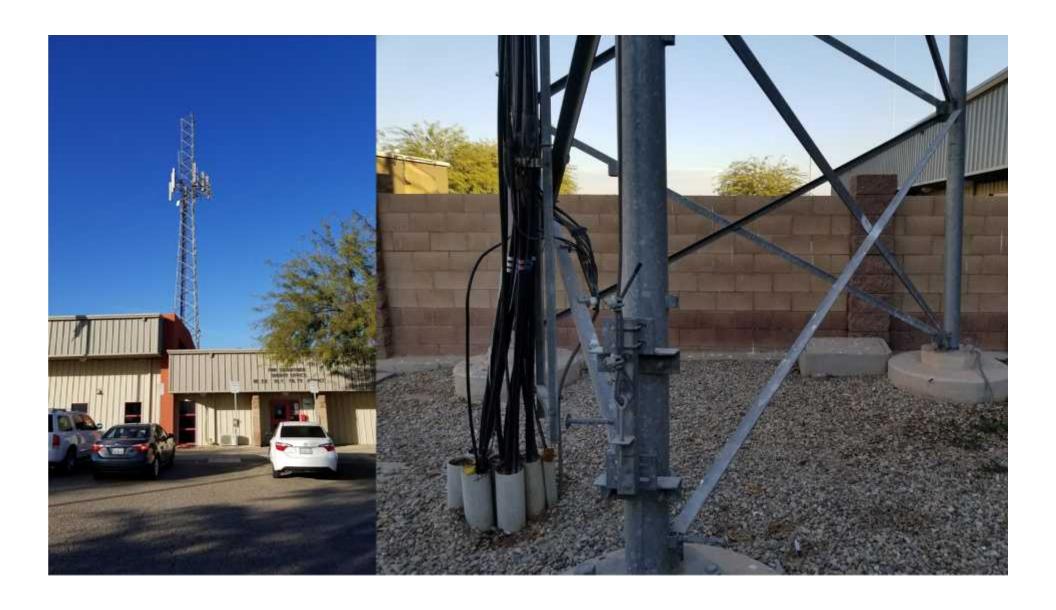






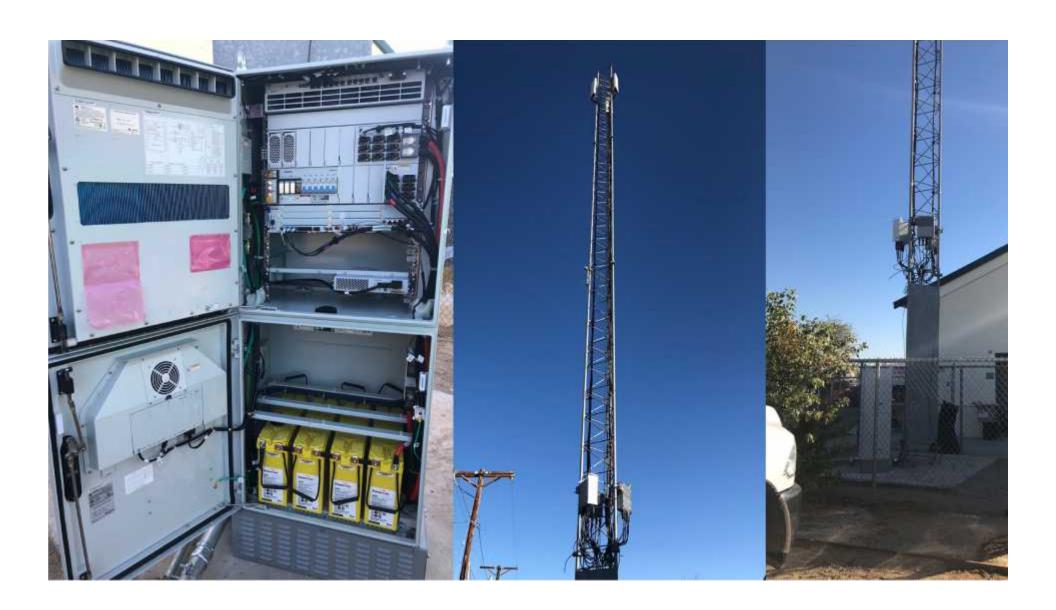


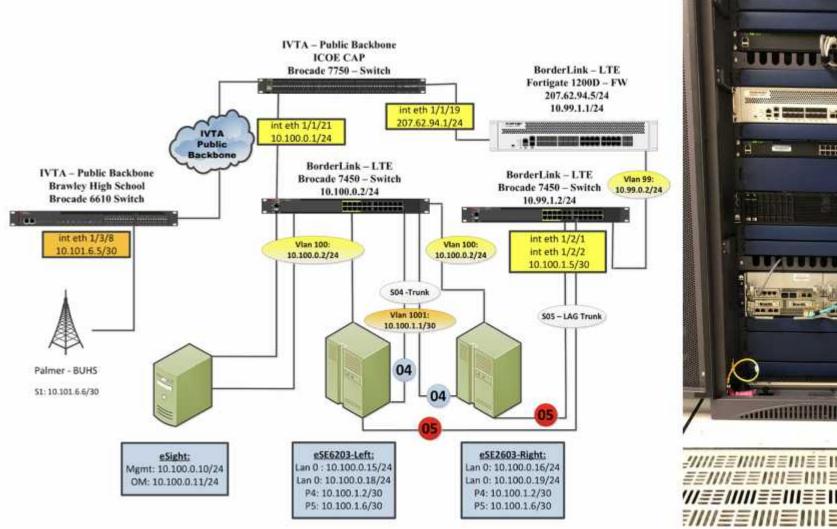




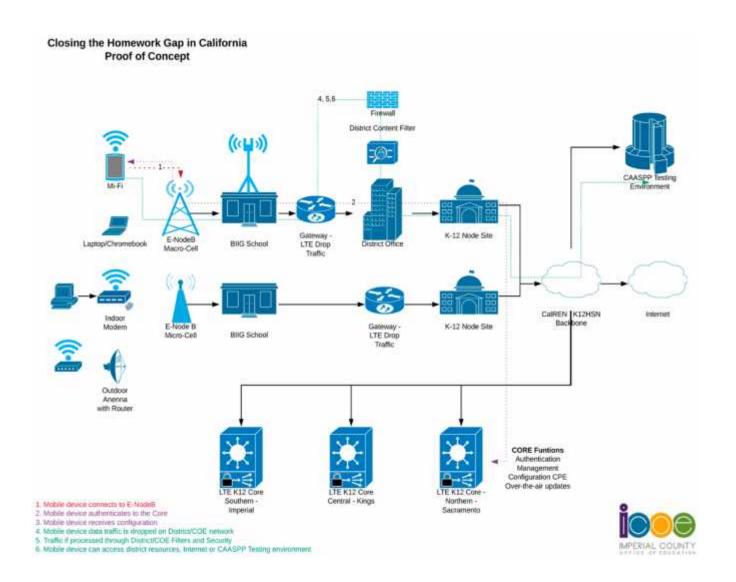














### **Questions/Additional Information**

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