

Digital Equity Update

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- Matt Cano, Public Works Director
- Charlene Tatis, California Emerging Technology Fund
- Sudheer Vangati, ITD Products – Projects Manager



Digital Equity Status Update

Access East Side Community Wi-Fi

- 3 attendance areas operational
- 3 attendance areas in design
- 2 attendance areas awaiting infrastructure improvements

Wi-Fi at Civic Buildings

- 16 libraries and community centers – outdoor networks operational
- 2 learning pod sites supported with internal/external enhancements
- 8 community centers in installation phase

Terragraph

- Existing network decommissioned
- Design complete; procurement for construction in progress



Digital Equity Status Update

SJ Access Student Hotspot Program

- 12,800 hotspots distributed to 32 Local Education Agencies
- Planning for 2021-2022 school year underway

SJ Access Public Hotspot Program

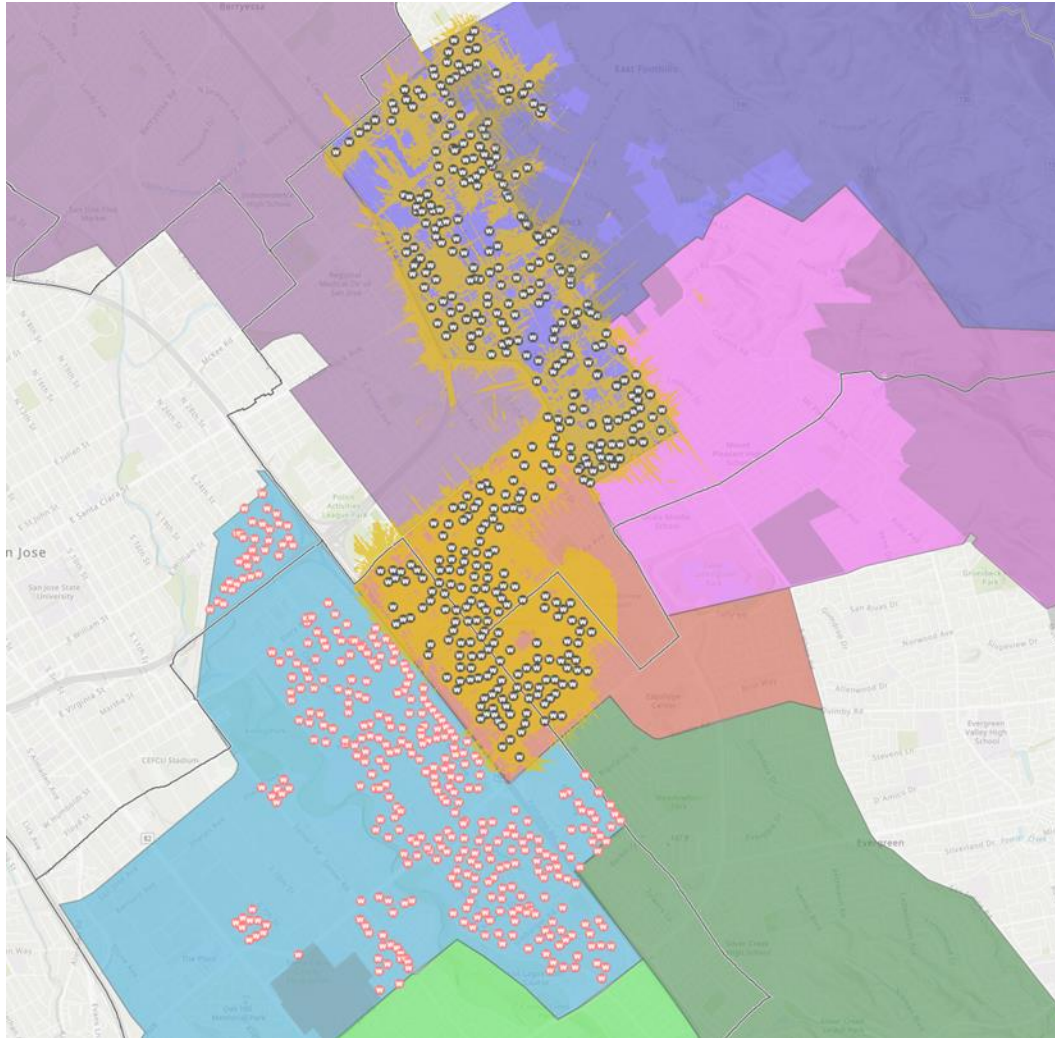
- 3,000 hotspots distributed through 24 libraries
- Regular monitoring of location supply and demand underway

Digital Inclusion Fund Grant

- Q3 Grant Progress Reporting complete
- Round 2 Grant Invitation underway



Access East Side Community Wi-Fi



Potential Outcomes (Population served within school attendance areas)

- James Lick – 27,093
- Overfelt – 22,805
- Yerba Buena – 38,867

Future Potential Outcomes (Population served within school attendance areas)

- Independence – 81,767
- Oak Grove – 37,250
- Andrew P. Hill – 49,526
- Silver Creek – 33,207
- Mt. Pleasant – 20,275



Access East Side Community Wi-Fi Buildout schedule

ESUHSD Attendance Area	Procurement	Planning and Design	Construction Start	Open for Public Use
James Lick				★
Overfelt				★
Yerba Buena				★
Independence			July 2021	Nov. 2021
Andrew P. Hill			Sept. 2021	Feb. 2022
Oak Grove			Mar. 2022	Sept. 2022
Silver Creek	Pending and Funding agreement approval by City Council (est. April 2021)			
Mt. Pleasant				

* Schedule pending vendor selection



Ongoing Work & Next Steps

- Complete customer service survey in existing on-air networks; analyze results and troubleshoot difficult areas (April 2021)
- Finalize timeline and cost for running fiber to Mt. Pleasant attendance area (April 2021)
- Bring ESUHSD funding agreement for ongoing operations and maintenance and build out for Silver Creek and Mt. Pleasant Attendance Areas to Council (April 2021)
- Complete Design for Independence; issue Construction/Installation RFP; award contract under Director's Award (Summer 2021)



Long Term Management of Community Wi-Fi

- Significant shifts in project scope since the beginning of the partnership with ESUHSD
- Medium and long-term focus on opportunities for sustainable funding and reliable service delivery needed
- Staff is pursuing opportunities to fund and procure consulting services to refresh the Broadband and Digital Inclusion Strategy, optimize funding opportunities, and codify sustainable management structure

Outdoor Wi-Fi at City Facilities

Libraries

- Alviso Branch
- Joyce Ellington Branch
- Educational Park Branch
- Dr. Roberto Cruz Alum Rock Branch
- Evergreen Branch
- Hillview Branch
- Biblioteca Latinoamericana
- Bascom Library & Community Center
- East San Jose Carnegie Branch

Community Centers

- Alma Community Center
- Alum Rock Youth Center
- Cypress Community Center
- Evergreen Community Center
- Gardner Community Center
- Mayfair Community Center
- Willow Glen Community Center

COMPLETED

Learning Pod Support at PRNS Facilities

- **Wi-Fi solutions deployed at three PRNS Buildings to support Learning Pods:**
 - Emma Prusch (2 buildings)
 - Lenninger Center
- Additional infrastructure investment needed to provide sufficient bandwidth at several PRNS facilities; may be included in future digital equity capital budget

AT&T PPP: Outdoor Wi-Fi at Community Centers



- Berryessa Community Center
- Camden Community Center
- Hank Lopez Community Center
- Roosevelt Community Center
- Almaden Community Center
- South Side Community Center
- Seven Trees Community Center

Project Completion Timeline

- Berryessa CC
- Camden CC

- Hank Lopez CC
- Roosevelt CC

- Almaden CC
- South Side CC
- Seven Trees CC

04/07/2021

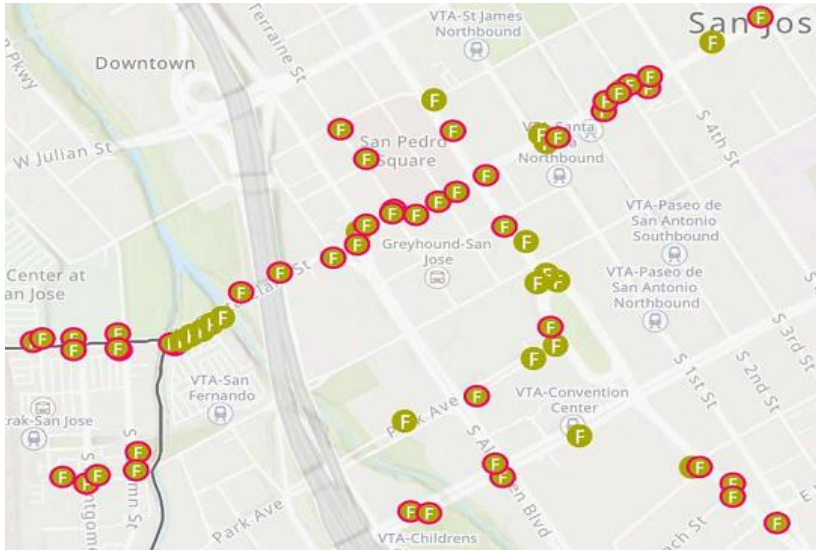
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04/21/2021

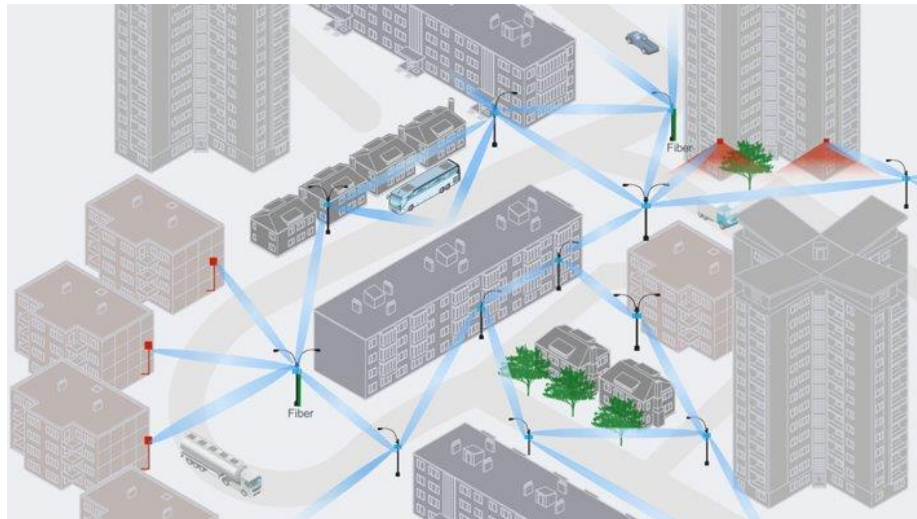
Notes:

- AT&T funded the Network Design and the Construction work
- City staff time funded by Citywide Digital Inclusion appropriation

High Speed Wi-Fi Network in Downtown



- Prototype Facebook / Terragraph network was decommissioned in December of 2020
- Design of the new Wi-Fi network and the contract award process are in progress
- Project completion date is 06/24/2021
- This will be rolled under the City's "SJ Access" brand with a new SSID
- Seamless Transition / No "dark period"
- Decommissioning of legacy Wickedly Fast Wi-Fi infrastructure will begin shortly



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Hotspot Lending Programs

- **12,800** hotspots delivered to Local Education Agencies to meet the urgent needs of families and students.
- **3,000** hotspots for public circulation at the Library.
- Equity approach: SJPL developed multilingual collateral, instructional videos and outreach materials.
 - Priority reserve for high-needs households
 - 450 hotspots reserved for CBO referrals
 - Maker[Space]Ship tour provides mobile hotspot checkouts





Hotspot Lending Programs

Race/Ethnicity	
Latinx/Hispanic	42.4%
Asian	40.7%
White	15.3%
African American, Black	4%
Native Hawaiian, Other Pacific Islander	2%
American Indian, Alaska Native	1.9%
Middle Eastern	1.1%

Connectivity Activities	
Distance learning	73.8%
Remote work	42.6%
Socializing w/family, friends	30.6%
Telehealth	30%
Job search	27.8%
Other public programs and services	26.8%
Other	4.6%
Broadband Internet Access	
Hotspot borrowers without broadband subscriptions	50.7%

\$ Access to Affordable Internet Offers

- **SJPL:** Outreach materials given to a total of 308 DIF device recipients, Digital Literacy Learners, Maker[Space]Ship tour distribution attendees, laptop kit users
- **PRNS:** Distributed affordable internet flyers to 50,000 households. Hosted ten events to provide individualized internet enrollment support to 150 households
- Emergency Broadband Benefit Program.



\$ Digital Inclusion Fund Progress Update

Our Progress



5,986
***Potential Adoptions

\$ Digital Inclusion Fund Progress Update

Round 2 Grant Approach, as recommended by the Digital Inclusion Fund Advisory Board:

- Invited high-performing Grantees to submit Applications for Round 2 Grants
- Advisory Board and CETF to analyze Applications and recommend Grant Awards to City Manager's Office
- City Manager's Office to bring Grant Recommendations to City Council for action in late May

Digital Equity Update

Questions?