City of Dallas

Bridging the Digital Divide – Project Updates

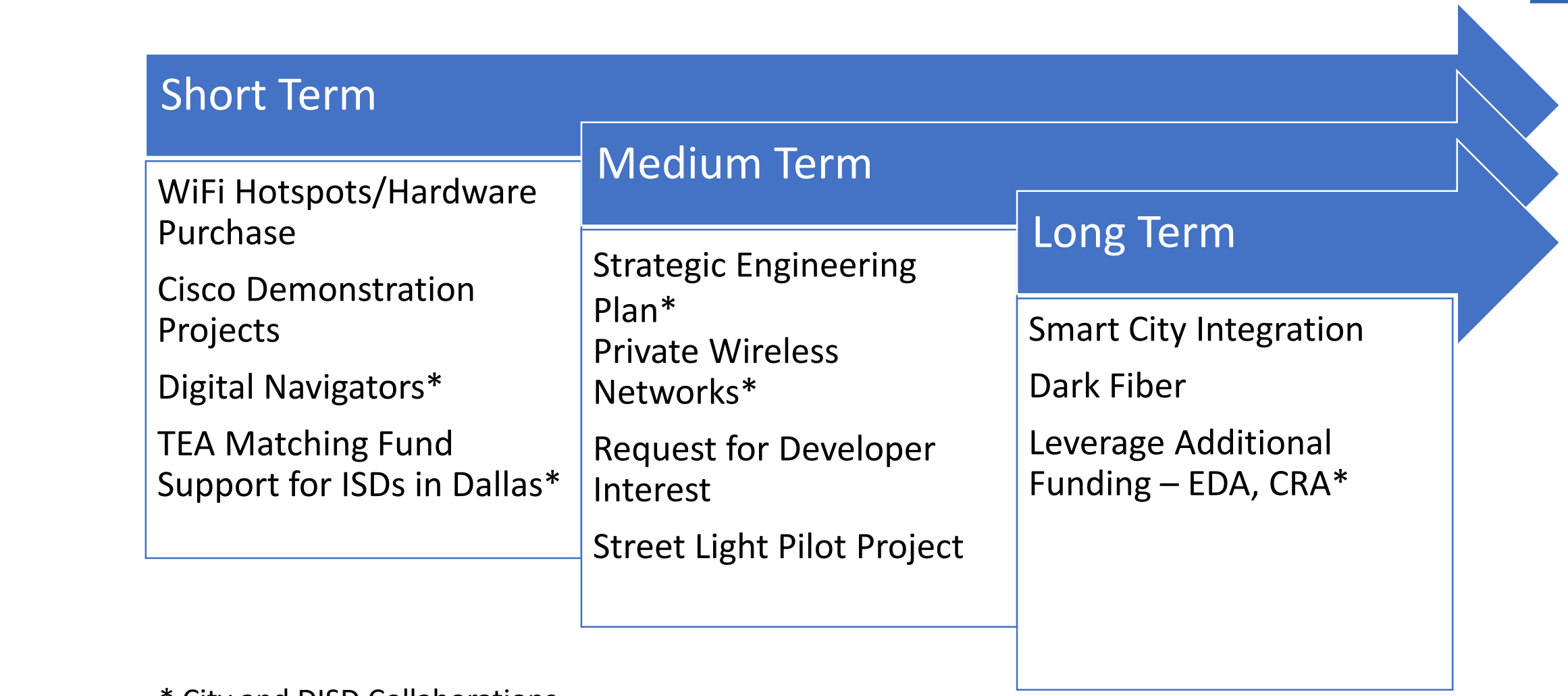
Ad Hoc Committee on COVID-19 Recovery & Assistance
February 11, 2021

Genesis D. Gavino, Resilience Officer
Office of Equity and Inclusion – Resilience Division

Presentation Overview

- Overall CARES Act Funding Allocation
- Project Updates
  - Digital Navigators Pilot Program
  - Strategic Engineering Consultant
  - Private Cellular Network (DISD)
  - Integrated Streetlight Project
  - Texas Education Agency Matching Funds
  - Hardware Purchase
  - Fiber Optic/Wireless Broadband Pilot Project
  - Streetlight Upgrades and Pilot Project
- Partnerships
- Next Steps

Efforts to Bridge the Digital Divide



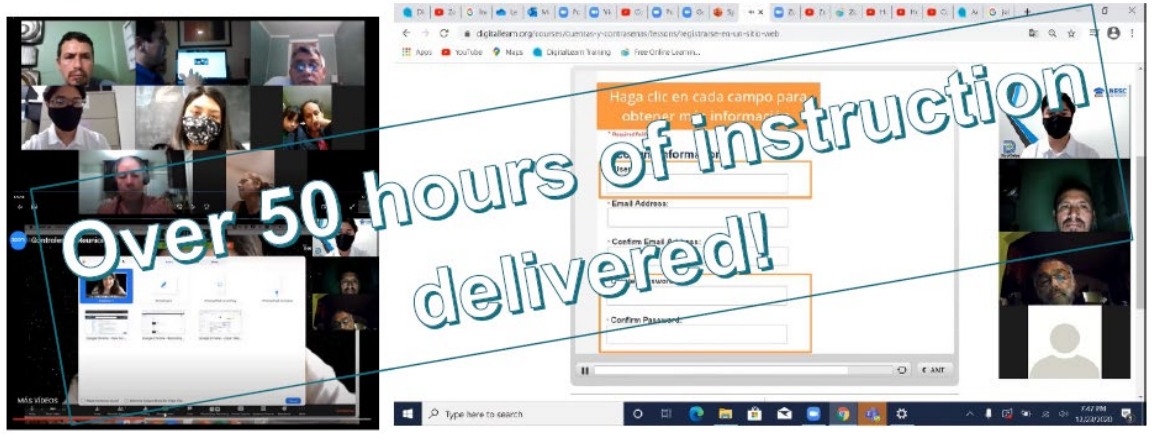
* City and DISD Collaborations

CARES Act Funding

Project/Initiative	Department	Cost
Digital Navigators	E&I - Resilience	$110,000
Strategic Engineering Consultant	E&I - Resilience	$250,000
Private Cellular Network (DISD)	E&I - Resilience	$500,000
Small Cell Integrated Streetlight Poles and Fiber Projects	Information and Technology Services	$500,000
Texas Education Agency Matching Funds	E&I - Resilience	$835,400
Hardware Purchase	Dallas Public Library	$1,860,000
Fiber Optic/Wireless Broadband Network	Public Works	$2,000,000
Streetlight/Smart Poles	Transportation	$2,800,000
	TOTAL AMOUNT	**$8,855,400**

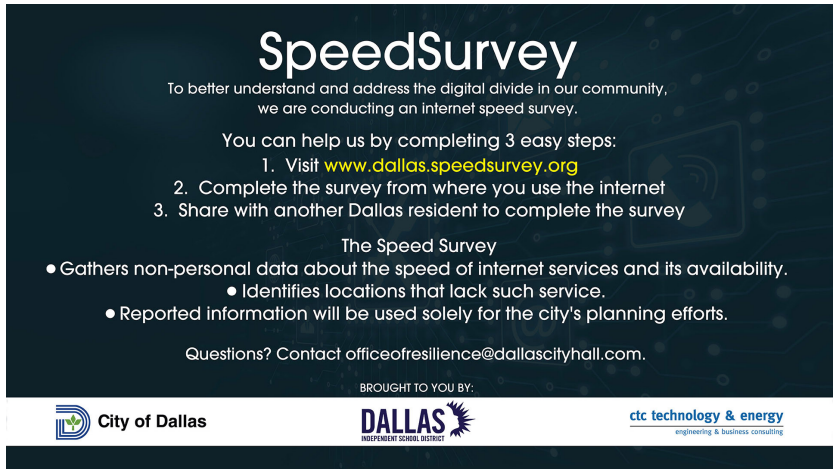
Digital Navigators Pilot Program - $110K

- **Service Provider:** LULAC National Education Service Center
- **Zip Codes:** 75216, 75210, 75241, 75215, 75237, 75217, 75232, 75212, 75211, 75227, 75233, 75203, and 75208
- **Demographics of Clients Served**
  - Number of Families: 47
  - Average Household Size: 5.38
  - Median Income: $20,000 - $24,999 - Extremely Low Income
  - Gender: 87% Female
  - Race: 68% White
  - Ethnicity: 91% Hispanic
- **Example Curriculum**
  - Grow with Google
  - How does the Internet work?

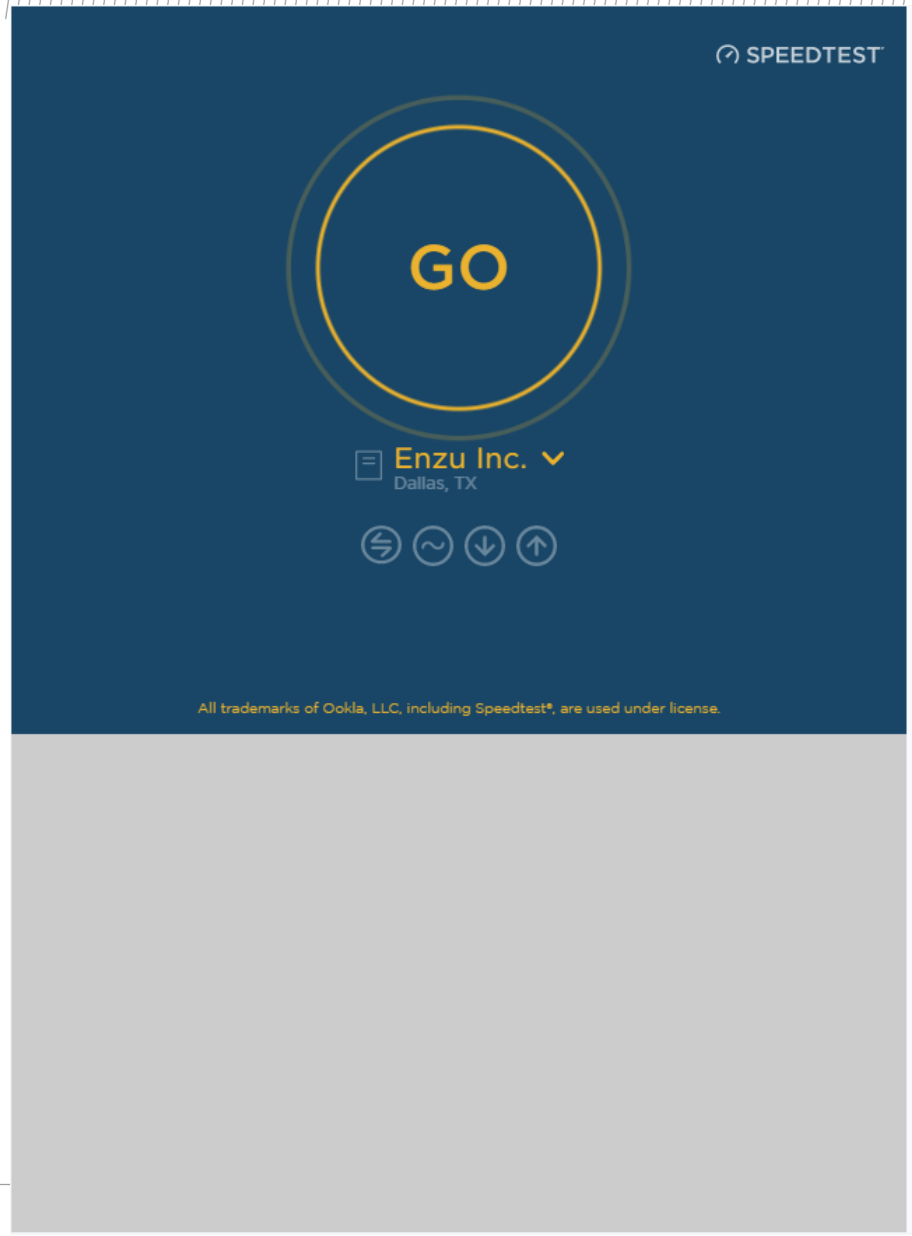


Strategic Engineering Consultant - $250K

- Cost-sharing agreement with Dallas Independent School District to work with CTC Technology and Energy
- Deliverables
  1. Strategic Planning Session
  2. Assistance in Contract Negotiations
  3. Assessment of Regional Broadband Market
  4. EDA Grant Application
  5. Short-Term Broadband Pilot Planning
  6. Digital Equity Data Collection and Analysis
  7. Long-Term Planning for Infrastructure Based Approach
  8. Independent QA Oversight of Short-Term Pilot Projects
  9. Assistance in RFI or RFP Development and Vendor Selection



Speed Survey https://dallas.speedsurvey.org/



ver página en Español

Reporting Type

You can use this site to report your internet connection speed, or to report an address that does not have an internet provider. Are you:

○ A. Reporting an address with no available internet service providers?

○ B. Performing a speed test on your existing service?

Location

Street number or block

123

Street name

Main St.

What city are you in?

Townsville

Service

If you have service, please tell us:

How satisfied are you with your internet service?

-

What type of internet connection do you have?

-

What type of device are you using?

-

SUBMIT

By submitting this survey you acknowledge you have read our Terms & Conditions

Private Cellular Network - $500K

- Construction and installation of citizen broadband radio service (CBRS) spectrum with Motorola radios and antennas
- **Location:** Lincoln High School
- **Number of households served:** 1000
- **Additional DISD sites:**
  - Roosevelt High School
  - Pinkston High School
  - South Oak Cliff High School
  - Spruce High School

Integrated Streetlight Pilot- $500K

- Construction and installation of telecommunications fiber and WiFi equipment on four integrated streetlight poles
- **Location:** Fire Station 15 and Oak Cliff Municipal Center
- **Launch Date**: March 2021

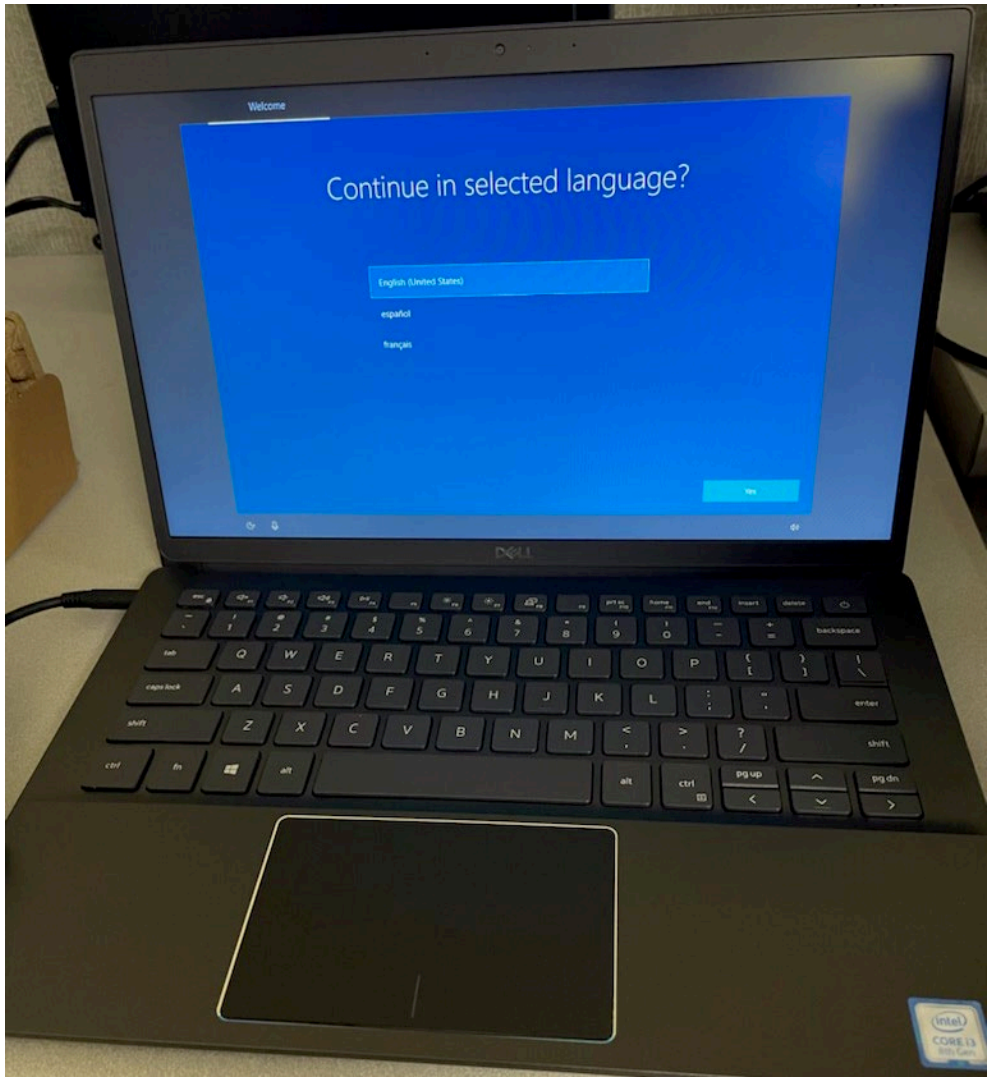
Texas Education Agency Matching Funds - $835K

- Matching funds to Local Education Agencies as part of the Operation Connectivity bulk order program to cover expenses incurred providing distance learning to students residing in the City of Dallas
- **Local Education Agencies**

	Allocation Amount
A+ Charter Schools, Inc.	$22,400
Carrollton-Farmers Branch ISD	$53,000
Richardson ISD	$260,000
Dallas ISD	$500,000
TOTAL	**$835,4000**

Hardware Purchase- $1.8M

- **Department:** Dallas Public Library
- **Hardware Purchase**
  - 1500 laptops purchased – 1125 for circulation, 110 for reserve, 265 for Park and Recreation
- **Laptop Distribution Criteria**
  - 2018 ACS Census Data – Estimated % of Households without a desktop or laptop
  - Patron usage and programmatic tie-ins such as adult learning and homeless engagement
- **Launch date:** Late February 2021



Fiber Optic/Wireless Broadband Pilot Projects - $2M

- **Department:** Public Works
- RDI Phase 1 – construct a citywide telecommunications fiber or wireless broadband network to support the City's information technology needs
- **Vendor:** Neo Networks
- **Number of households potentially served:** 3200
- **Location selection criteria**
  - Proximity to City facilities
  - Data on households with the highest needs of internet access
  - Proximity to existing collaborative digital divide projects between City and DISD
- **Launch Date**: late February/March 2021

Fiber Optic/Wireless Broadband Pilot Projects - $2M

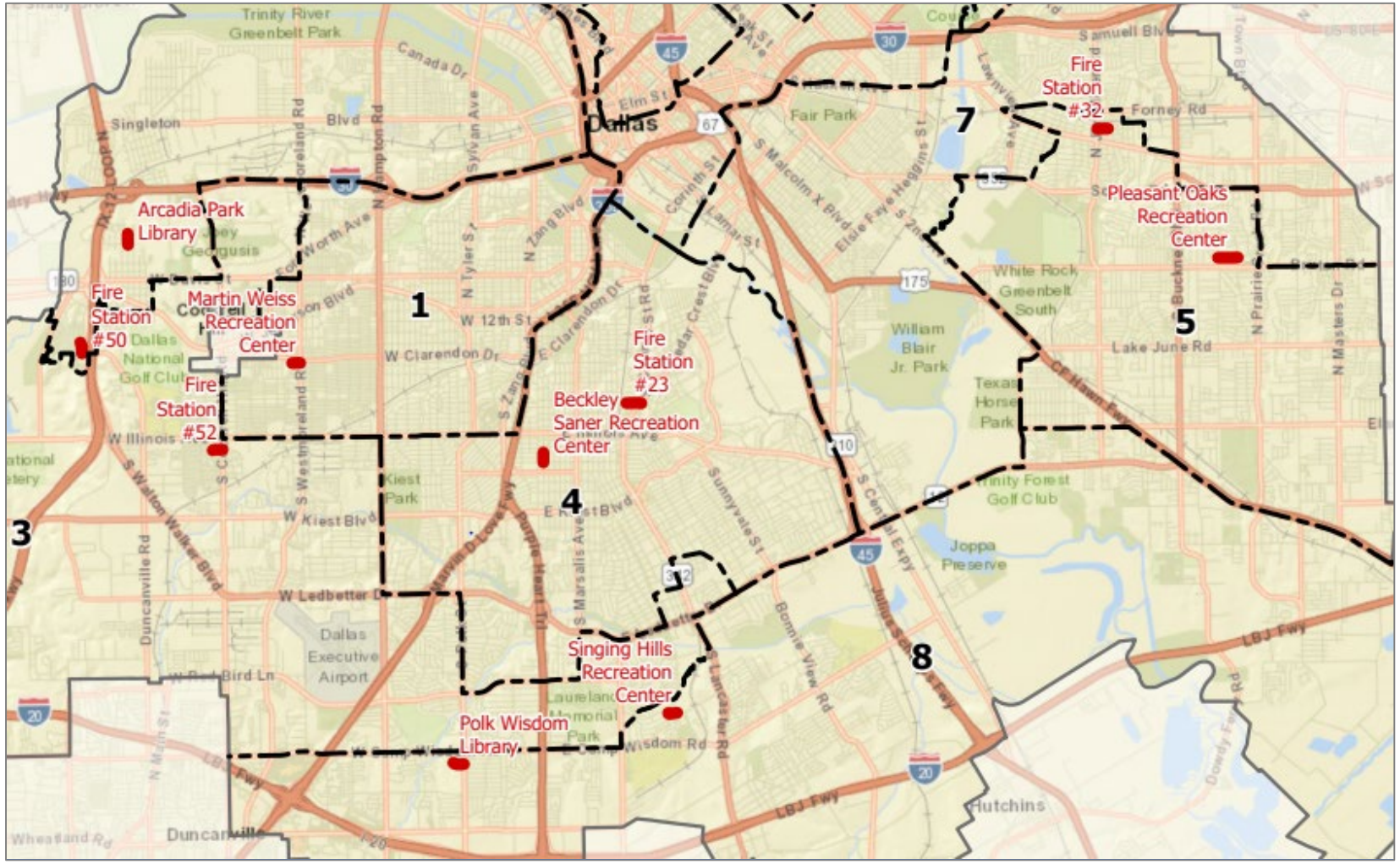
CD	City Facility	Residential Blocks
1	Martin Weiss Recreation Center	Thibet St from Martindale to Westmoreland
3	Fire Station #52	Bridlewood from Cockrell Hill to Western Park
4	Beckley Saner Recreation Center	Seevers from Hobson to Elmore
4	Fire Station #23	Iowa from Corinth to Bruck
5	Pleasant Oaks Recreation Center	Greenmound from McCutcheon to McKim
5	Fire Station #32	Toland from Jim Miller to Elva
6	Arcadia Branch Library	N. Justin Ave. from Library to Goodman
6	Fire Station #50	Bluegrass from Keeneland to Furlong
8	Singing Hills Recreation Center	Gillarel Springs from Old Ox to Cul-de-Sac
8	Polk Wisdom Library	Deerwood from Library to S. Polk

District 6 – Fire Station #50

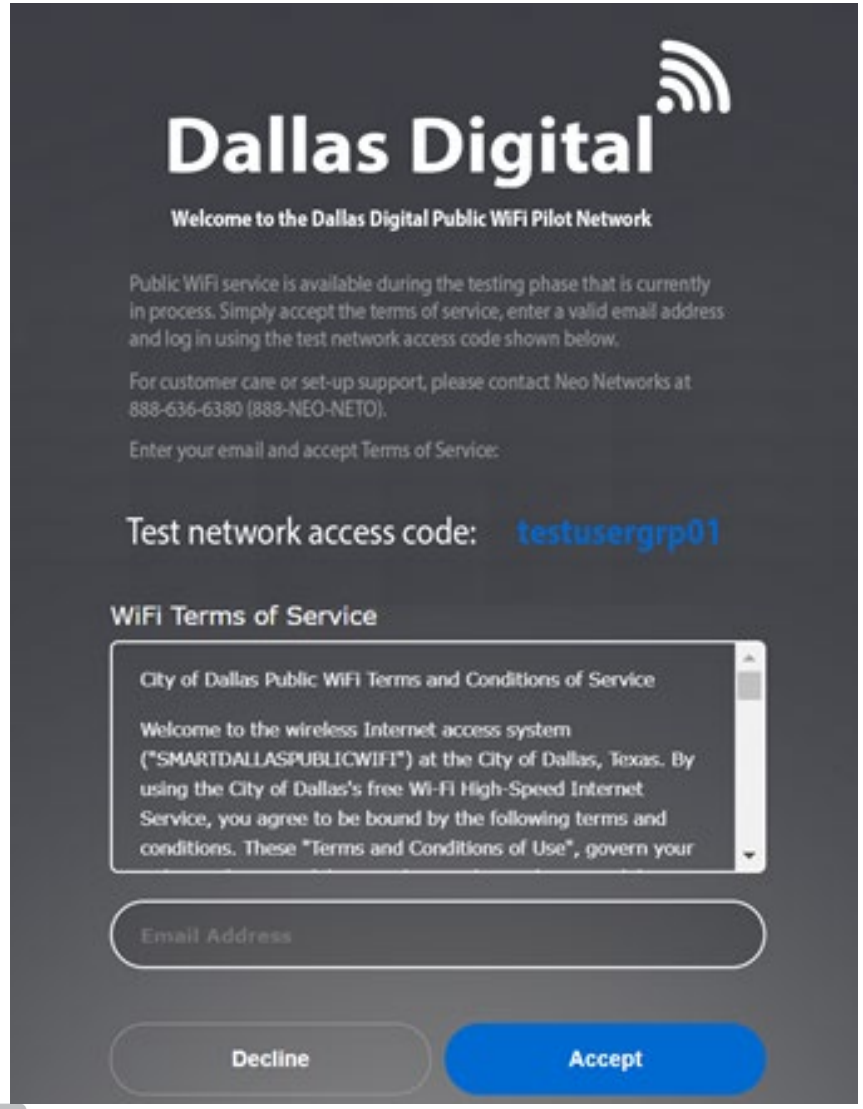
Targeted Coverage Area

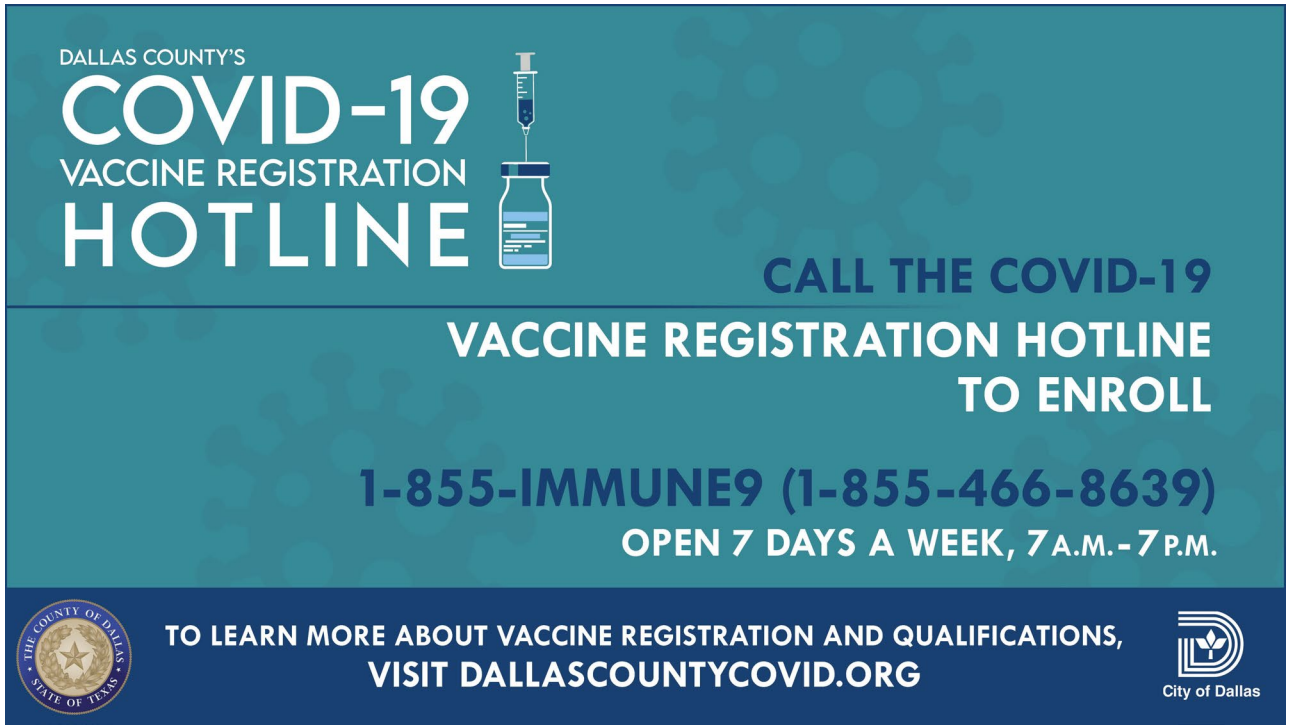
Actual Coverage Area

RDI for Fiber Optic/Wireless Broadband Network



Fiber Optic/Wireless Broadband Pilot Projects - $2M





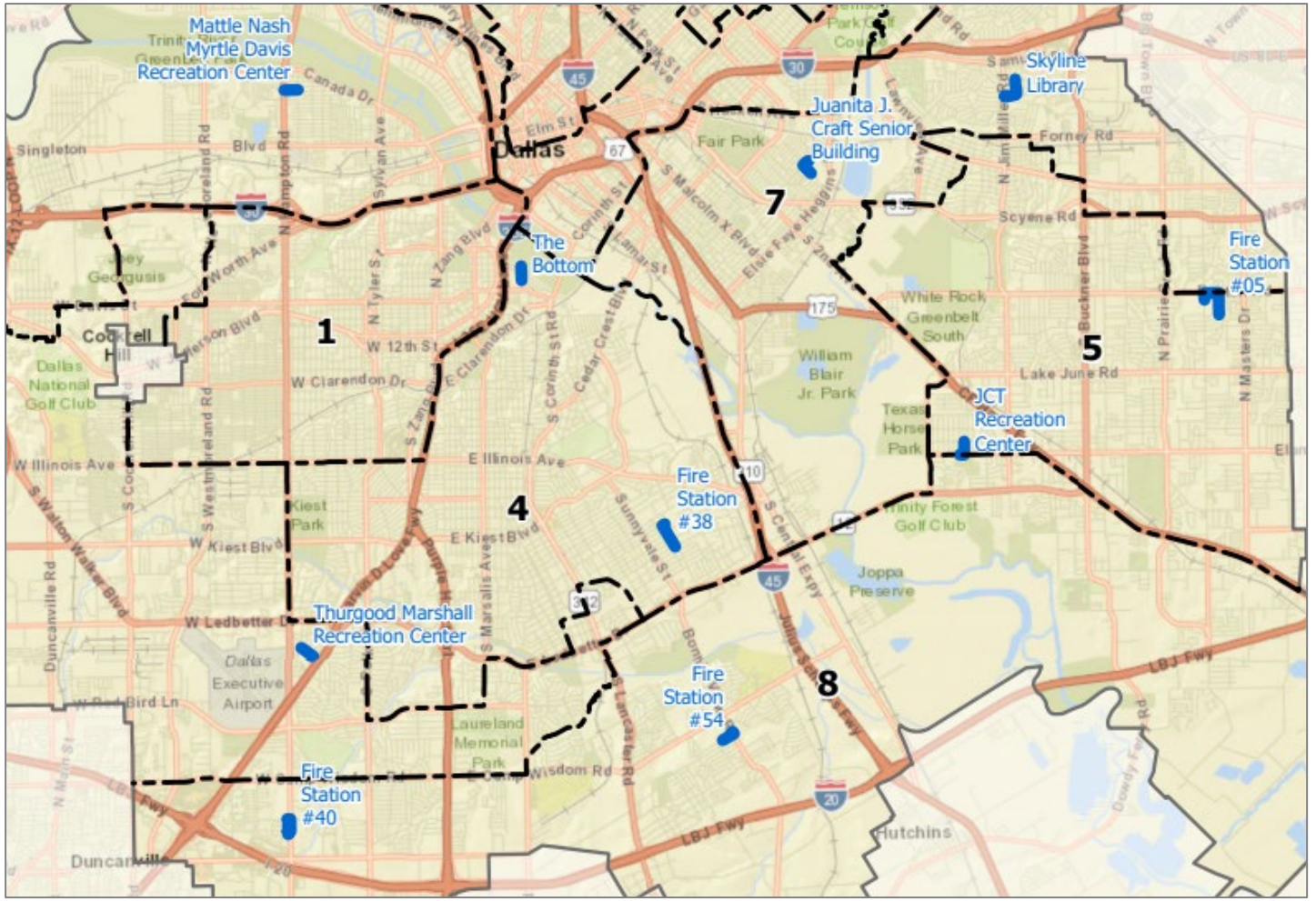
Street Light Upgrades and Pilot Projects - $2.8M

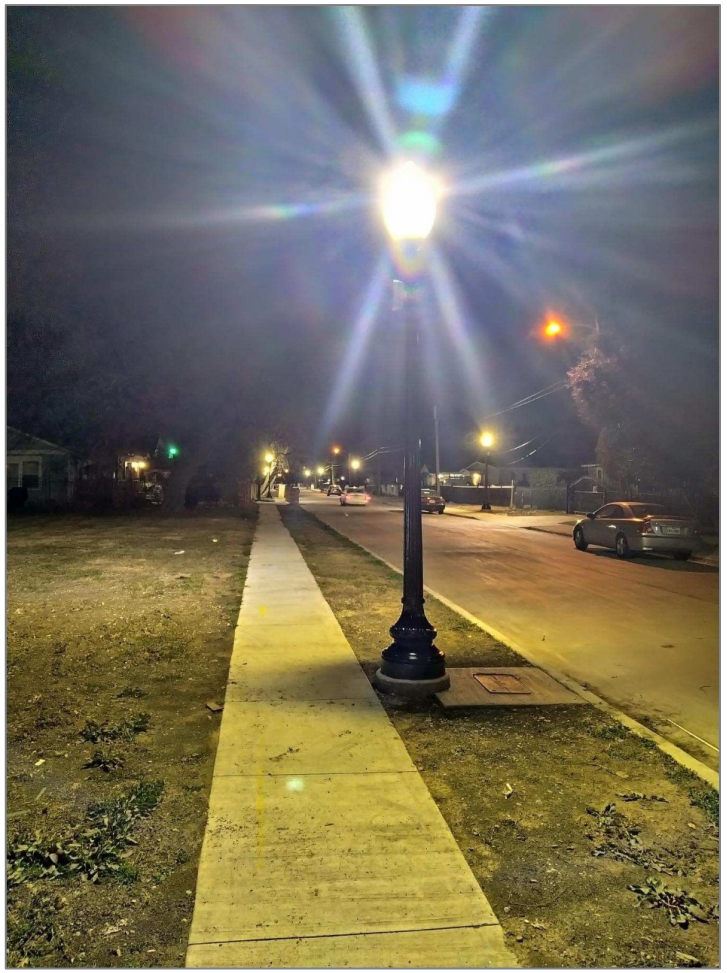
- **Department:** Transportation
- Install telecommunications fiber from adjacent City facilities to newly installed streetlights and WiFi equipment
- **Location Selection Criteria/Priority Improvement Zone**
  - Market Value Analysis
  - Target Area Action Grid
  - Violent Crime Reduction Program
  - RECAP
  - Opportunity Zones
  - High Injury Network
  - Areas in need of housing development and improvement
- **Launch Date**: March 2021

Street Light Upgrades and Pilot Projects - $2.8M

CD	City Facility	Residential Blocks
3	Thurgood Marshall Recreation Center	Ariel from Mark Trail to Dove Creek
4	Fire Station #38:	Cicero from Wilhurt to Ann Arbor
4	Eloise Lundy Recreation Center:	Denley from Hutchins to Reverend CBT Smith
5	Fire Station #5	Corvette from Bruton to Limestone
5	Janie C. Turner Recreation Center	Ezekial from Elam to Hoode
6	Mattie Nash Myrtle Davis Recreation Center	Bayside from Hampton to Puget
7	Juanita J. Craft Senior Center	Frazier from Spring to Marshall
7	Skyline Library	Symphony from Everglade to Snowbird
8	Fire Station #40	Kirnwood from Cul-de-Sac to Cul-de-Sac
8	Fire Station #54	Pinebrook from Bonnie View to Strawberry Trail

Street Light Upgrades and Pilot Projects - $2.8M





New streetlights and Wi-Fi equipment on Ezekial from Elam to Hoode

Community Engagement – Door Hangers

FREE INTERNET ACCESS IS AVAILABLE IN YOUR AREA!

Get Connected!

1. Open your device settings.
2. Click on the Wi-Fi icon and ensure it is on.
3. Click the network name 'CODGuest' or 'DallasDigital'.
4. Enter your email address and agree to the terms and conditions.
5. Enjoy your Wi-Fi access responsibly!

The City of Dallas is committed to addressing the digital divide. The community wifi provided is part of a pilot project in select neighborhoods.

Have questions, concerns or need additional resources? Contact us officeofresilience@dallascityhall.com

For COVID-19 Related information visit:
dallascityhall.com/COVID19

Need to register for the COVID-19 Vaccine? Call the Registration Hotline at 1-855-466-8639. Every day from 7am-7pm.

¡HAY ACCESO GRATUITO A INTERNET DISPONIBLE EN SU ÁREA!

¡Conéctese!

1. Abra los ajustes de su aparato.
2. Haga clic en el icono de Wi-Fi y asegure que sea conectado.
3. Haga clic en el nombre de red 'CODGuest' o 'DallasDigital'.
4. Ingrese su dirección de correo electrónico y acepte los términos y condiciones.
5. ¡Disfruta de tu acceso Wi-Fi de forma responsable!

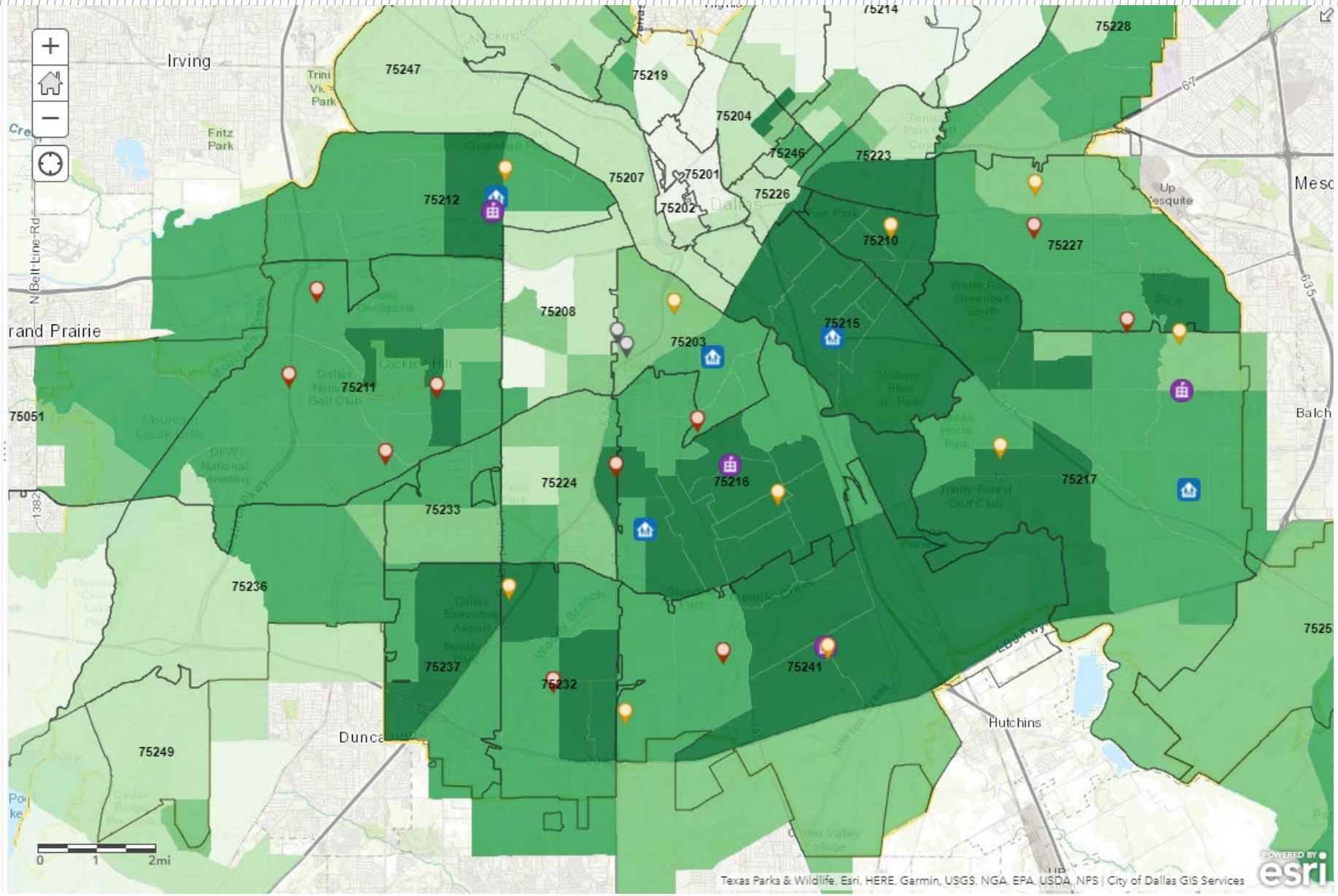
La ciudad de Dallas se compromete a abordar la brecha digital. El wifi comunitario proporcionado es parte de un proyecto piloto en vecindarios selectos.

¿Tiene preguntas, inquietudes o necesita recursos adicionales? Contáctenos officeofresilience@dallascityhall.com

Para obtener información relacionada con COVID-19, visite:
dallascityhall.com/COVID19

¿Necesita registrarse para la vacuna COVID-19? Llame a la línea directa de registro al 1-855-466-8639. Abierto todos los días de 7am-7pm.

Digital Divide Efforts



Legend

Fiber Optic/Wireless Broadband Projects

Streetlights/WIFI Projects

Integrated Streelights

Libraries

Schools

Zip Code Layer

ACSInternetAccess

Percentage Households with No Internet Access

- > 50 To 80
- > 30 To 50
- > 20 To 30
- > 10 To 20
- 0 To 10

Partnerships

Next Steps

- February 2021
  - Community Engagement for WiFi Pilot Projects and Speed Survey
  - RDI Phase 2
  - RFCSP Digital Navigators
- March 2021
  - Community WiFi Pilots Available
- August 2021
  - Digital Equity Plan

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