



City of Dallas

Status of Request for Developer Interest and Streetlight Wi-Fi Pilot Projects

**Ad Hoc Committee on COVID-19
Recovery and Assistance
October 15, 2020**

Robert Perez, Ph.D., Director
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Presentation Overview



- Overview of Efforts to Bridge the Digital Divide
- Request for Developer Interest (RDI) for citywide fiber optic or wireless broadband network (WBN)
- Digital Divide Streetlight and Wi-Fi Pilot Projects



Bridging the Digital Divide



Short Term

WiFi Hotspots
Cisco Demonstration Projects
Digital Navigators
TEA Matching Fund
Support for ISDs in Dallas

Medium Term

Strategic Engineering Plan

Private Wireless Networks

Request for Developer Interest

Street Light Pilot Project

Long Term

Smart City Integration

Dark Fiber

Leverage Additional Funding – EDA, CRA



RDI for Fiber Optic/Wireless Broadband Network



- As briefed to the City Council on August 5, 2020, a Request for Developer Interest (RDI) was advertised on July 30, 2020; ten (10) proposals were returned on September 4, 2020
- Staff focused on RDI proposals that provided:
 - (1) Best value to the City for a fiber optic or wireless broadband network and;
 - (2) Opportunities for internet access in underserved and priority zone areas
- Proposals ranged between models of no cost to high cost for citywide installation of a fiber optic/wireless broadband network



RDI for Fiber Optic/Wireless Broadband Network



- Through evaluation of the RDI proposals, a two-phased strategy was developed to utilize CARES Act funding
 - Phase I – short-term projects
 - Phase II – little or no cost projects
- Phase I includes working with the RDI proposers to install conduit and telecommunications fiber from City facilities to Wi-Fi enabled equipment on ten (10) residential blocks in areas with low access to the internet
- Phase I proposals were received by October 12, 2020
- City Council considered the use of \$2M using CARES Act funding to enter into contractual agreements with selected proposers



RDI for Fiber Optic/Wireless Broadband Network



- Phase I of the ten (10) RDI Pilot Projects include:
 - Martin Weiss Recreation Center: Thibet from Martindale to Westmoreland (CD 1)
 - Fire Station #52: Bridlewood from Cockrell Hill to Western Park (CD 3)
 - Beckley Saner Recreation Center: Seevers from Hobson to Elmore (CD 4)
 - Fire Station #23: Iowa from Corinth to Bruck (CD 4)
 - Pleasant Oaks Recreation Center: Greenmound from McCutcheon to McKim (CD 5)



RDI for Fiber Optic/Wireless Broadband Network



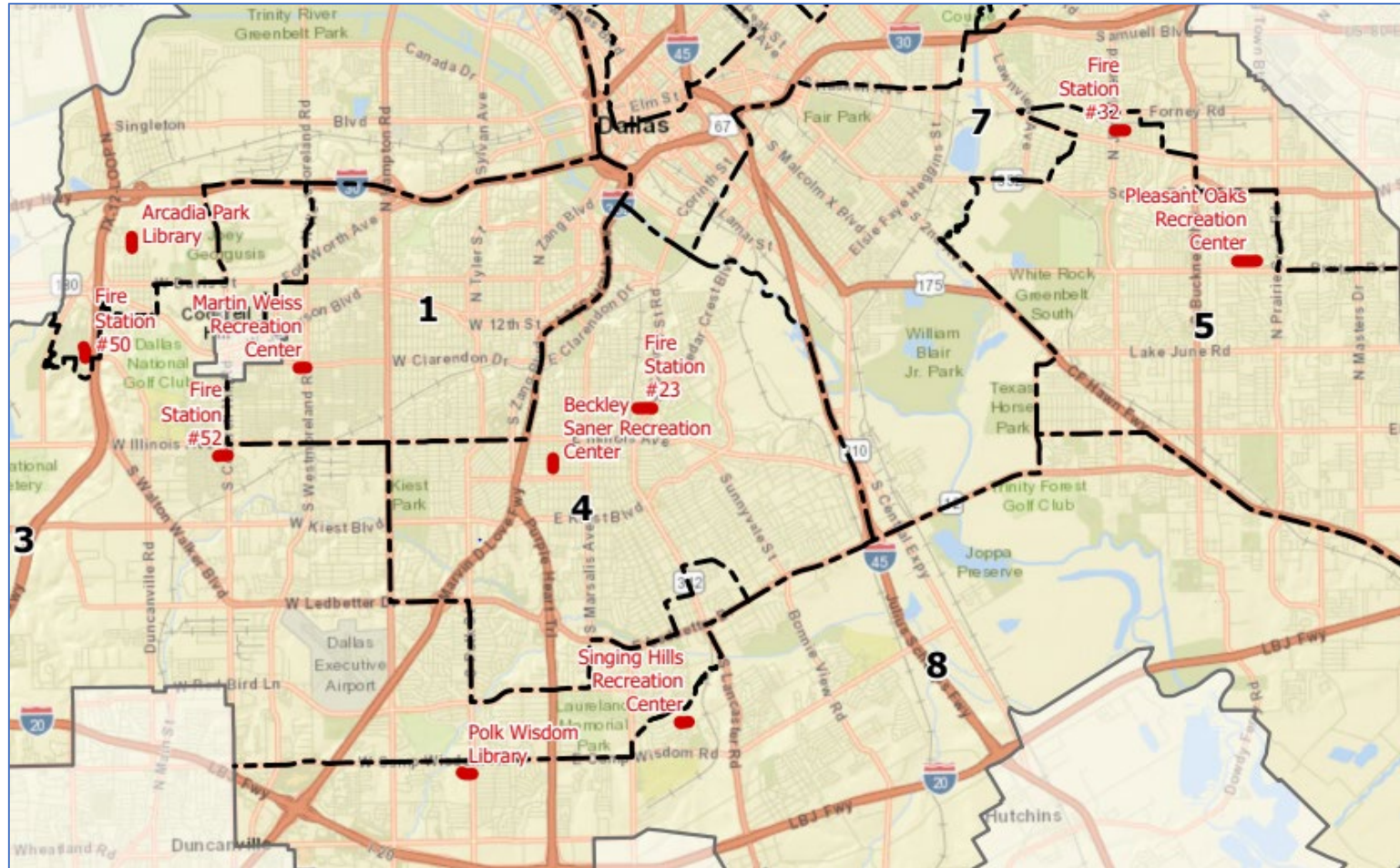
- Phase I of the ten (10) RDI Pilot Projects include (continued):
 - Fire Station #32: Toland from Jim Miller to Elva (CD 5)
 - Arcadia Branch Library: N. Justin from Library to Goodman (CD 6)
 - Fire Station #50: Bluegrass from Keeneland to Furlong (CD 6)
 - Springing Hills Recreation Center: Gillarel Springs from Old Ox to Cul-de-Sac (CD 8)
 - Polk Wisdom Library: Deerwood from Library to S. Polk (CD 8)



RDI for Fiber Optic/Wireless Broadband Network



- Map of Phase I of the (10) RDI Pilot Projects



RDI for Fiber Optic/Wireless Broadband Network



- Staff will continue working with the selected Phase I proposers to install and make operational the ten (10) pilot projects by December 30, 2020
- Monthly status updates will be provided to the City Council via memorandum and briefings to the appropriate Council Committee(s) in January 2021





Digital Divide Streetlight and Wi-Fi Pilot Projects



Digital Divide Streetlight and Wi-Fi Pilot Projects



- Similar to the RDI pilot projects, staff has selected ten (10) pilot project locations to install streetlights and Wi-Fi equipment (running fiber from a nearby City facility)
- Using the newly installed streetlights, Wi-Fi equipment will provide City Wi-Fi to residents on designated blocks
- With completion scheduled to conclude by December 30, 2020, these projects will cost approximately \$2.5M using CARES Act funding



Digital Divide Streetlight and Wi-Fi Pilot Projects



- Staff focused on projects in areas with low internet access but also areas needing streetlights as defined by the findings of the Mayor's Safety Task Force and Strategic Lighting Zones
- Strategic Lighting Zones evaluates:
 - Market Value Analysis (MVA)
 - Areas of racial and ethnically concentrated poverty
 - The City's Opportunity Zones
 - Neighborhood Investment Zones
 - DPD's target action grid
- Of the selected pilot projects:
 - Seven (7) are in priority areas identified by the Mayor's Safety Task Force (MTF)
 - Ten (10) are in Strategic Lighting Zones (SLZ)



Digital Divide Streetlight and Wi-Fi Pilot Projects



- The ten (10) Streetlight and Wi-Fi Pilot Projects include:
 - Thurgood Marshall Recreation Center: Ariel from Mark Trail to Dove Creek (CD 3, SLZ)
 - Fire Station #38: Cicero from Wilhurt to Dove Creek (CD 4, MTF and SLZ)
 - Eloise Lundy Recreation Center: Denley from Hutchins to Reverend CBT Smith (CD 4, MTF and SLZ)
 - Fire Station #5: Corvette from Bruton to Limestone (CD 5, MTF and SLZ)
 - Janie C. Turner Recreation Center: Ezekial from Elam to Hoode (CD 5, MTF and SLZ)



Digital Divide Streetlight and Wi-Fi Pilot Projects



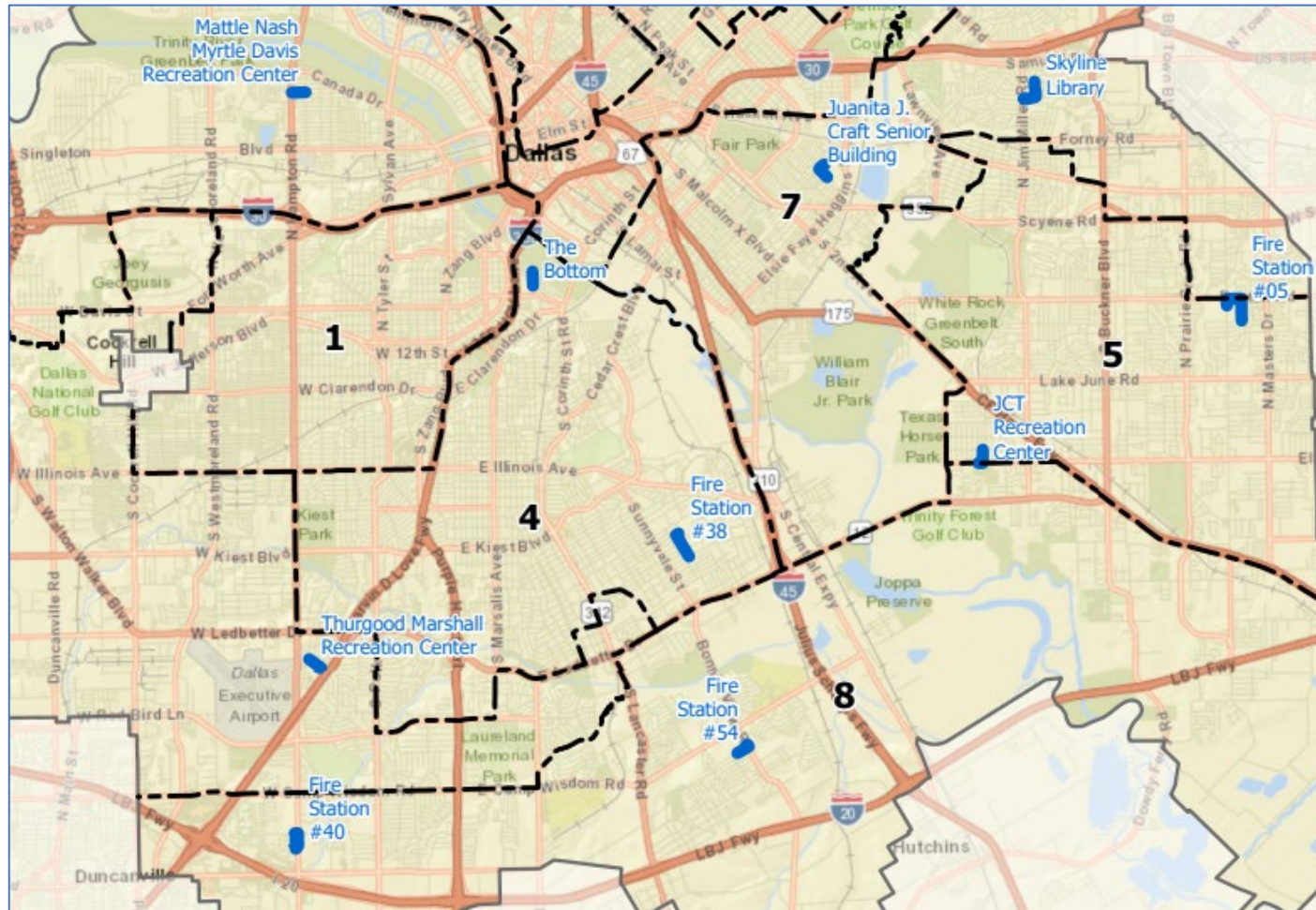
- The (10) Streetlight and Wi-Fi Pilot Projects include (continued):
 - Mattie Nash Myrtle Davis Recreation Center: Bayside from Hampton to Puget (CD 6, SLZ)
 - Juanita J. Craft Senior Center: Frazier from Spring to Marshall (CD 7, MTF and SLZ)
 - Skyline Library: Symphony from Everglade to Snowbird (CD 7, MTF (partially) and SLZ)
 - Fire Station #40: Kirnwood from Cul-de-Sac to Cul-de-Sac (CD 8, MTF and SLZ)
 - Fire Station #54: Pinebrook from Bonnie View to Strawberry Trail (CD 8, SLZ)



Digital Divide Streetlight and Wi-Fi Pilot Projects



- Map of the ten (10) Streetlight and Wi-Fi Pilot Projects



Digital Divide Streetlight and Wi-Fi Pilot Projects



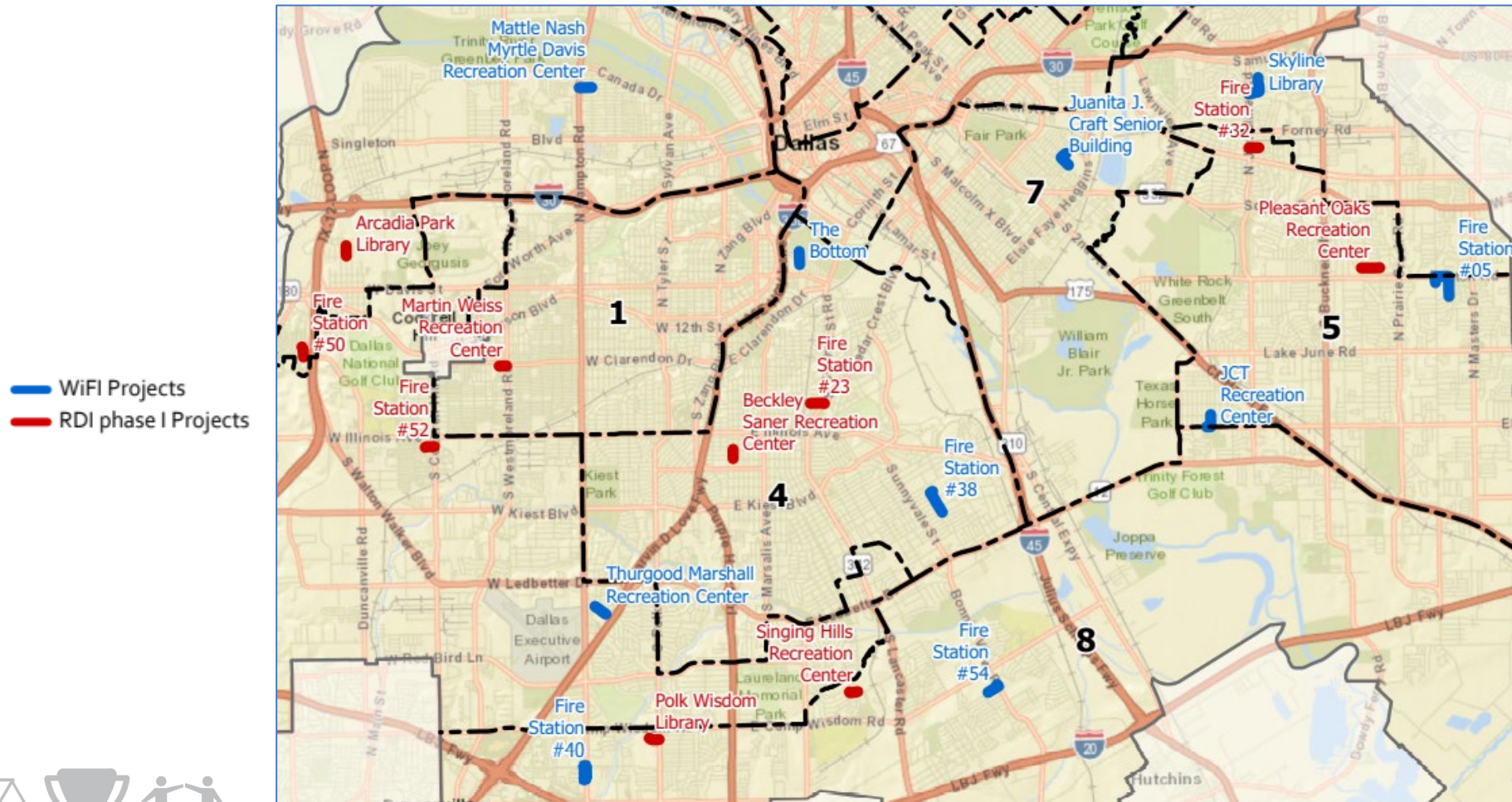
- Staff has already ordered streetlights and Wi-Fi equipment and will continue working to install and make operational the ten (10) pilot projects by December 30, 2020
- Opportunities may exist to partner with Oncor Electric to utilize existing utility poles for Wi-Fi equipment – may result in additional pilot locations
- Monthly status updates will be provided to the City Council via memorandum and briefings to the appropriate Council Committee(s) in January 2021



RDI Phase I and Streetlight and Wi-Fi Pilot Projects



- RDI Phase I and Streetlight and Wi-Fi Pilot Projects (20 total)





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