

From Fighting Fires to Mapping Emergencies

My Journey from the Fire House to GIS

Ronald Vaughn Sr.

Dallas Fire Rescue

My Story



Firefighter/Paramedic



Geographical Information Systems (GIS)



DFR Class 95-243



Class 95-243

BACK ROW (left to right)

Mathew W. Winklevoss, Nathan S. Pilcher, Frank A. Ward, Michael A. Polnac, Dominique D. Artis, Daniel J. Salazar, Vernell R. Schufford, Garret J. Lucero, David L. Hawkins, Rodney L. Featherston, Ronald J. Vaughn, Robert Holloway Jr.

FRONT ROW (left to right)

Glenda M. McElhenie, Frederic L. Walker, Reginald R. Blair, Kenneth L. Cullins, Nancy K. Warner (Highland Park), Kimberly L. Richter, Deanne R. Murillo (Duncanville), David Diaz, Keith W. Taliaferro, John A. Brock

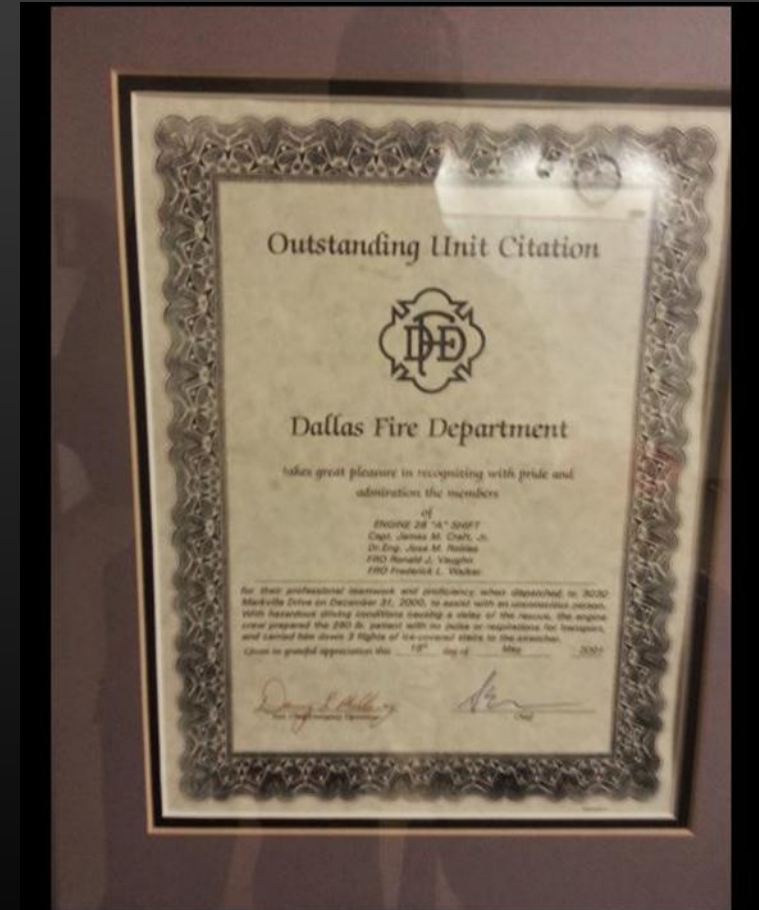
Station 35



Station 28



Awards



Station 48



A Satisfied Family



Station 58



Promoted to Lieutenant



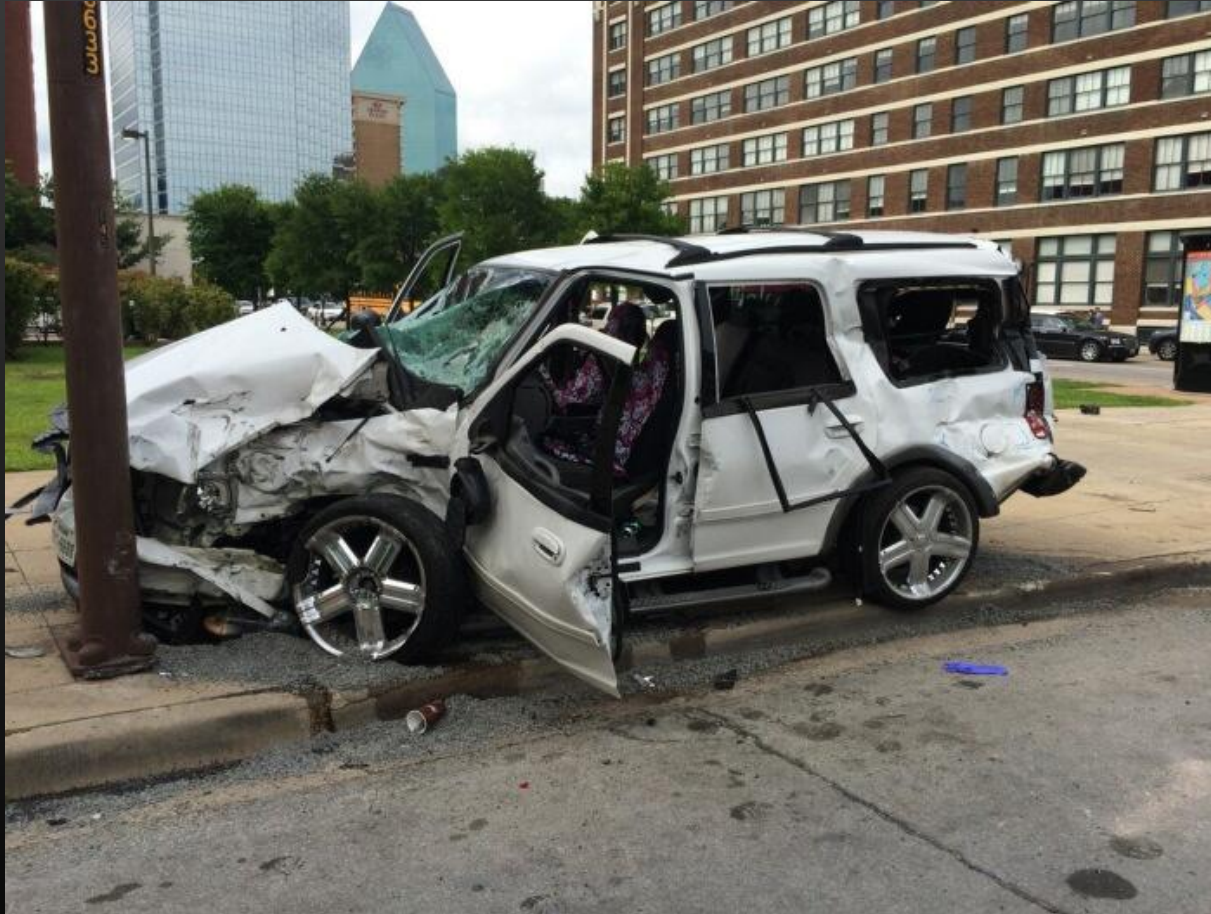
First Day as a Lieutenant



Station 18



Saving Lives



Television Star



Mentoring



Dallas Fire Rescue GIS



- Dallas Fire-Rescue Geographic Information Services (GIS) supports the Department (DFR) and the City of Dallas (COD) in many ways, mostly behind the scenes. GIS is responsible for various mapping and analysis tasks. GIS compiles data concerning some of COD infrastructures for use in emergency situations. This data includes 911 Trail Markings, Pre-Incident Planning, and Special Event Mapping. We identify ride locations at the State Fire, data on apartments, statics and recreation centers that can be used as evacuation sites. GIS also assists with providing boundaries to determine annual hydrant maintenance and inspection responsibilities for the fire station personnel.

Importance of GIS In The Fire Service



Dallas Fire Rescue GIS Team



Dallas Fire Rescue Internal Document System

SEARCH MAPS

APARTMENTS

DART

TRAILS

DISTRICT

INTERACTIVE MAP

SEARCH STREET INFO

BOX INFO

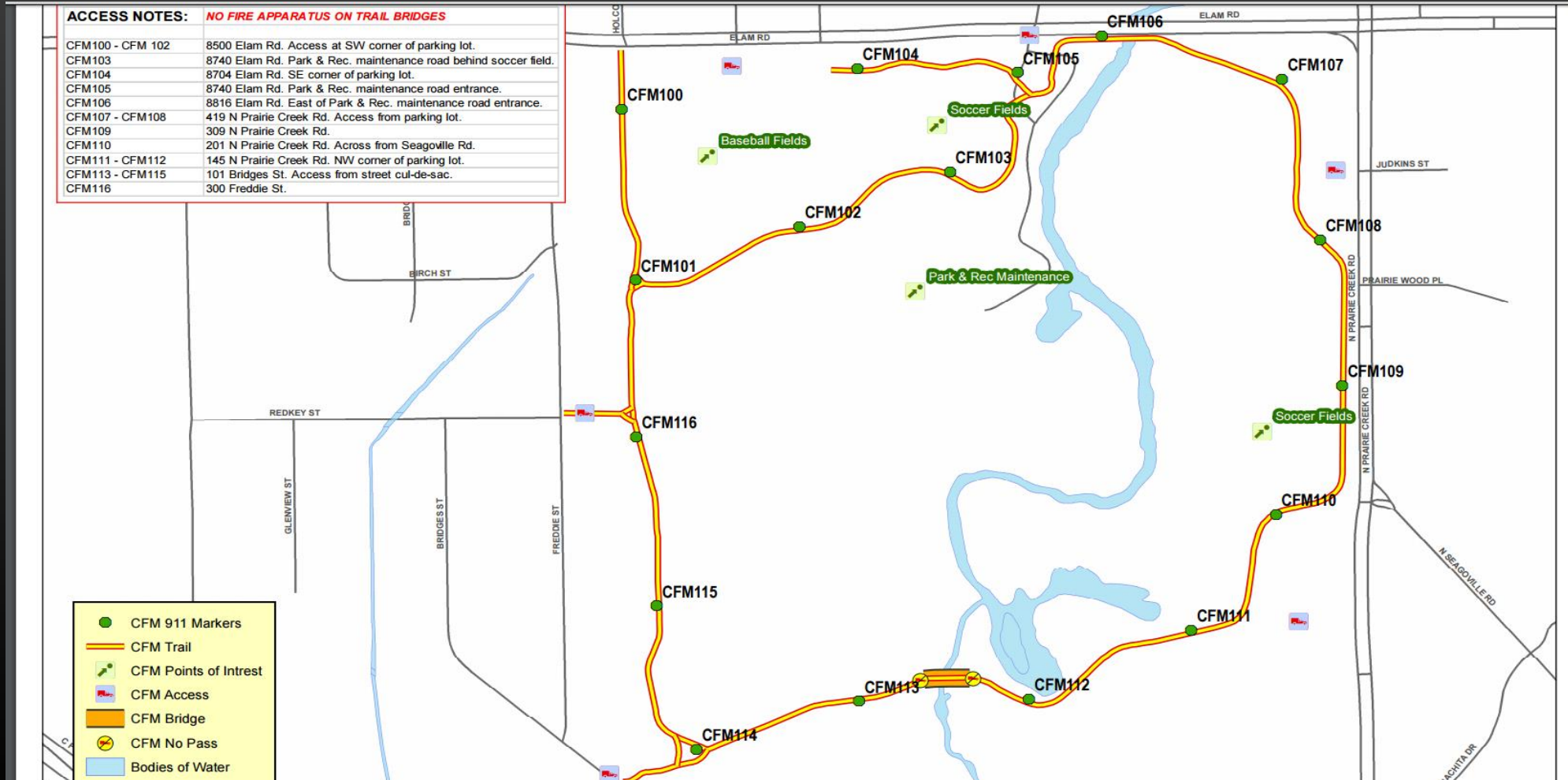
GIS BLOCK INFO

Maps

911 Trail Markers for Routing Emergencies



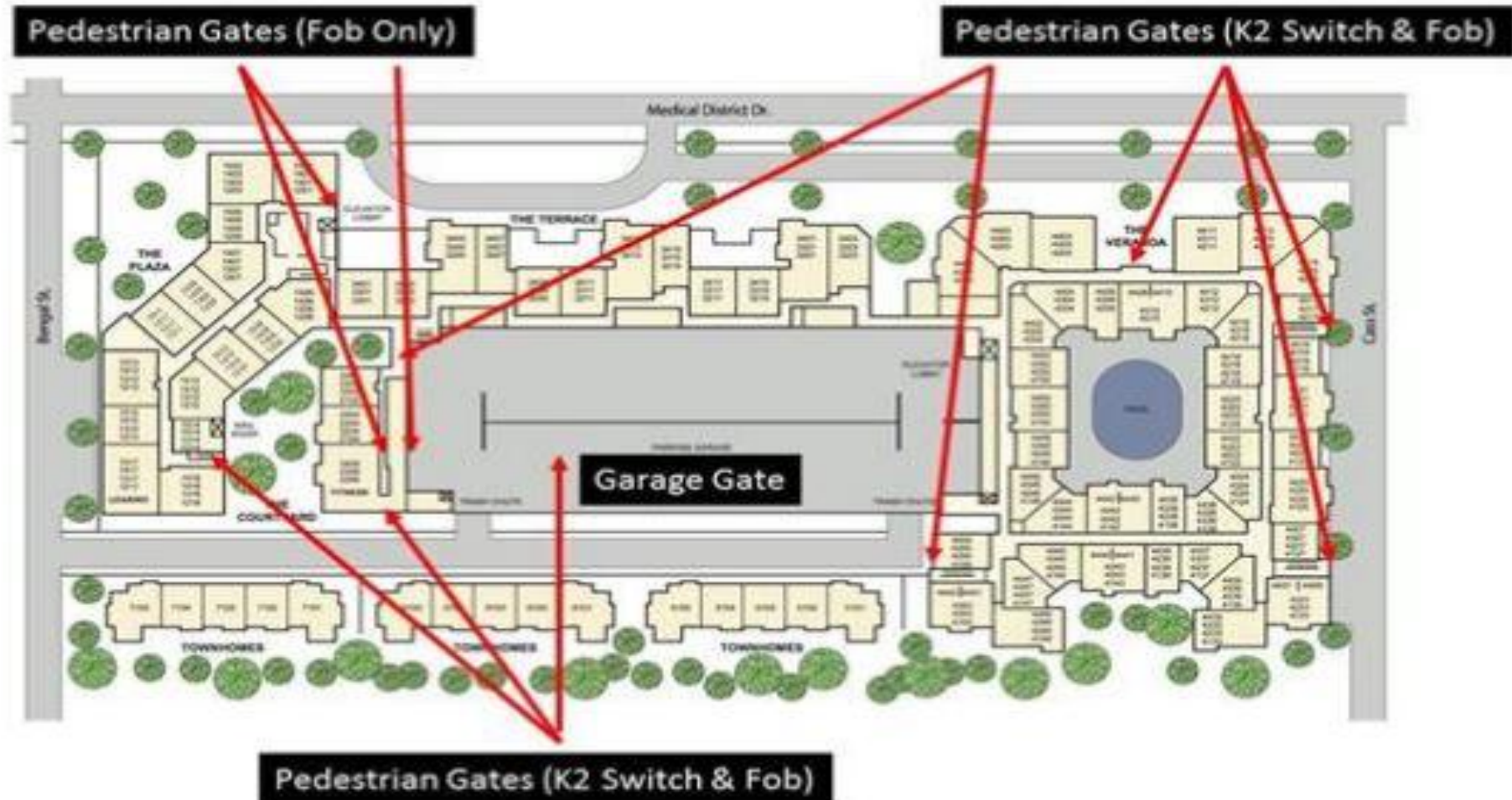
Mapping the Trails in Dallas



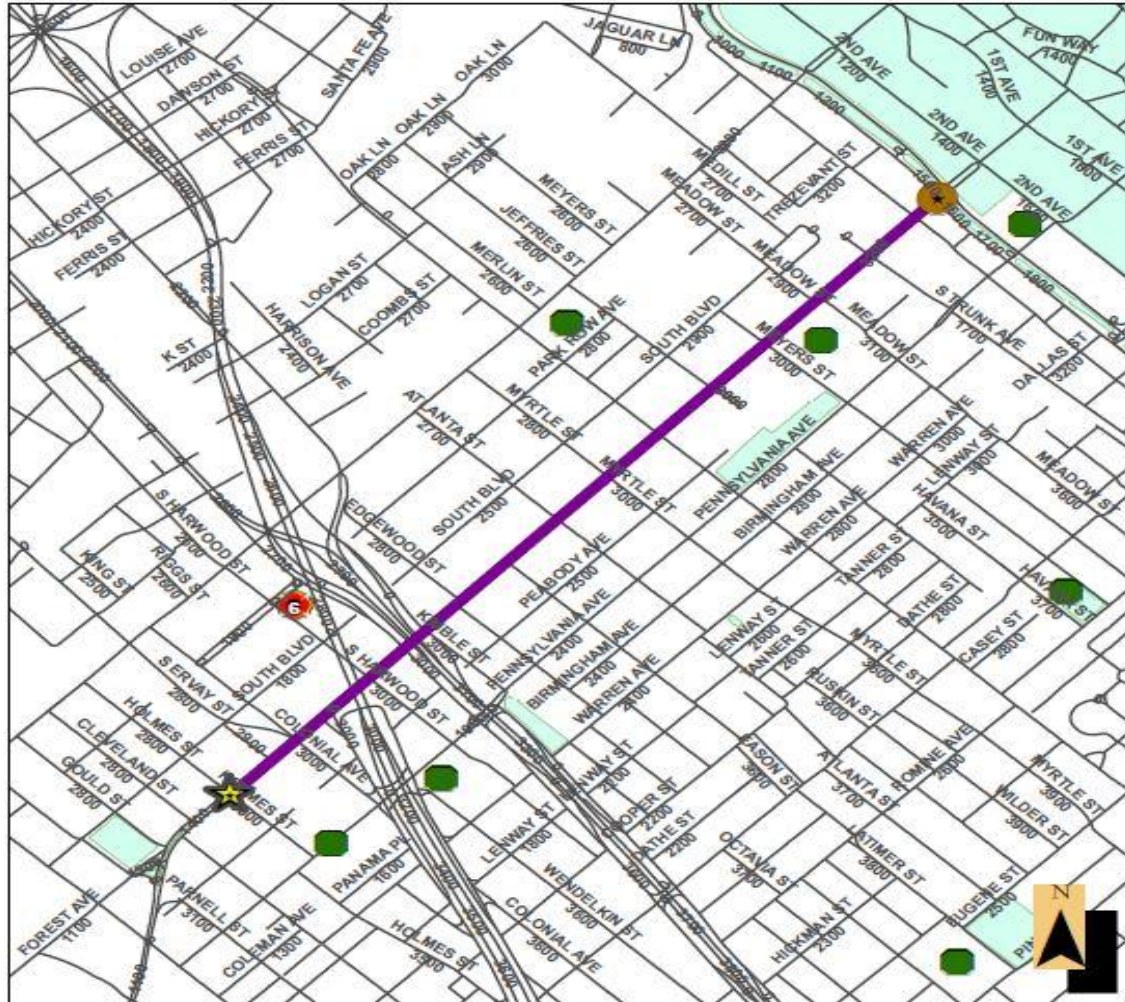
Pre-Incident Planning



Planning in the Event of an Emergency



Special Event Mapping



2016 Dr. Martin Luther King Jr.

Annual March/Parade

Monday, January 18, 2016, 10:00 a.m.

- ★ Start
- Parade Route
- ★ Finish
- Dallas Schools
- Parks
- ★ Fire Stations



RV

X:\FireData\Special Events\2016

0 0.25 0.5 Miles

STATE FAIR of TEXAS - 2016 MIDWAY RIDE LOCATIONS



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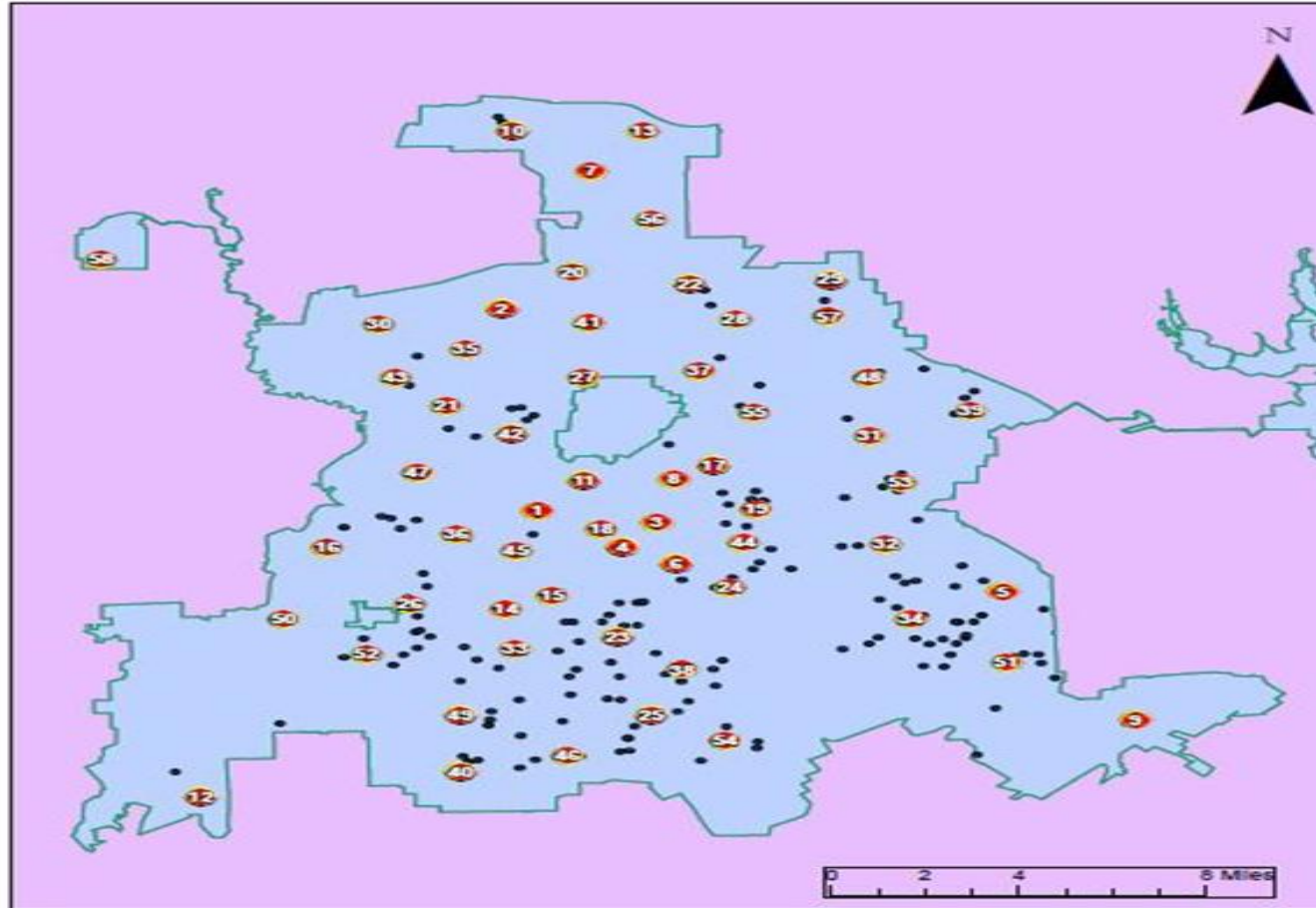
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Algeria	2007	Guinea	2007	Yemen	2007
Algeria	2008	Guinea	2008	Yemen	2008
Algeria	2009	Guinea	2009	Yemen	2009
Algeria	2010	Guinea	2010	Yemen	2010
Algeria	2011	Guinea	2011	Yemen	2011
Algeria	2012	Guinea	2012	Yemen	2012
Algeria	2013	Guinea	2013	Yemen	2013
Algeria	2014	Guinea	2014	Yemen	2014
Algeria	2015	Guinea	2015	Yemen	2015
Algeria	2016	Guinea	2016	Yemen	2016
Algeria	2017	Guinea	2017	Yemen	2017
Algeria	2018	Guinea	2018	Yemen	2018
Algeria	2019	Guinea	2019	Yemen	2019
Algeria	2020	Guinea	2020	Yemen	2020
Algeria	2021	Guinea	2021	Yemen	2021
Algeria	2022	Guinea	2022	Yemen	2022
Algeria	2023	Guinea	2023	Yemen	2023
Algeria	2024	Guinea	2024	Yemen	2024
Algeria	2025	Guinea	2025	Yemen	2025
Algeria	2026	Guinea	2026	Yemen	2026
Algeria	2027	Guinea	2027	Yemen	2027
Algeria	2028	Guinea	2028	Yemen	2028
Algeria	2029	Guinea	2029	Yemen	2029
Algeria	2030	Guinea	2030	Yemen	2030
Algeria	2031	Guinea	2031	Yemen	2031
Algeria	2032	Guinea	2032	Yemen	2032
Algeria	2033	Guinea	2033	Yemen	2033
Algeria	2034	Guinea	2034	Yemen	2034
Algeria	2035	Guinea	2035	Yemen	2035
Algeria	2036	Guinea	2036	Yemen	2036
Algeria	2037	Guinea	2037	Yemen	2037
Algeria	2038	Guinea	2038	Yemen	2038
Algeria	2039	Guinea	2039	Yemen	2039
Algeria	2040	Guinea	2040	Yemen	2040
Algeria	2041	Guinea	2041	Yemen	2041
Algeria	2042	Guinea	2042	Yemen	2042
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Algeria	2048	Guinea	2048	Yemen	2048
Algeria	2049	Guinea	2049	Yemen	2049
Algeria	2050	Guinea	2050	Yemen	2050
Algeria	2051	Guinea	2051	Yemen	2051
Algeria	2052	Guinea	2052	Yemen	2052
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Algeria	2065	Guinea	2065	Yemen	2065
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Algeria	2095	Guinea	2095	Yemen	2095
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Algeria	2098	Guinea	2098	Yemen	2098
Algeria	2099	Guinea	2099	Yemen	2099
Algeria	2100	Guinea	2100	Yemen	2100

ZONE

	ZONE_A
	ZONE_B
	ZONE_C
	ZONE_D
	ZONE_E
	Midway Posts



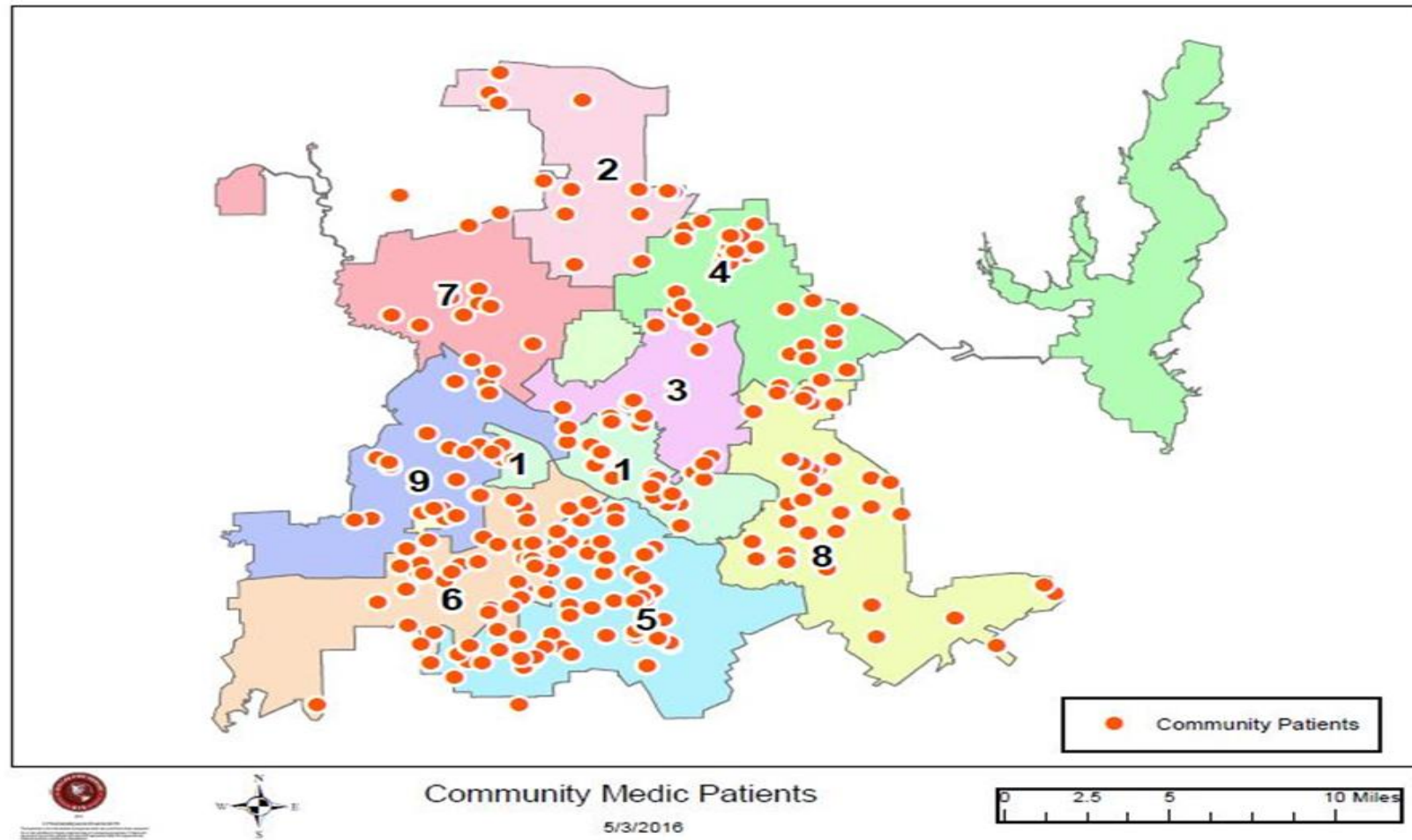
Smoke Detector Installations

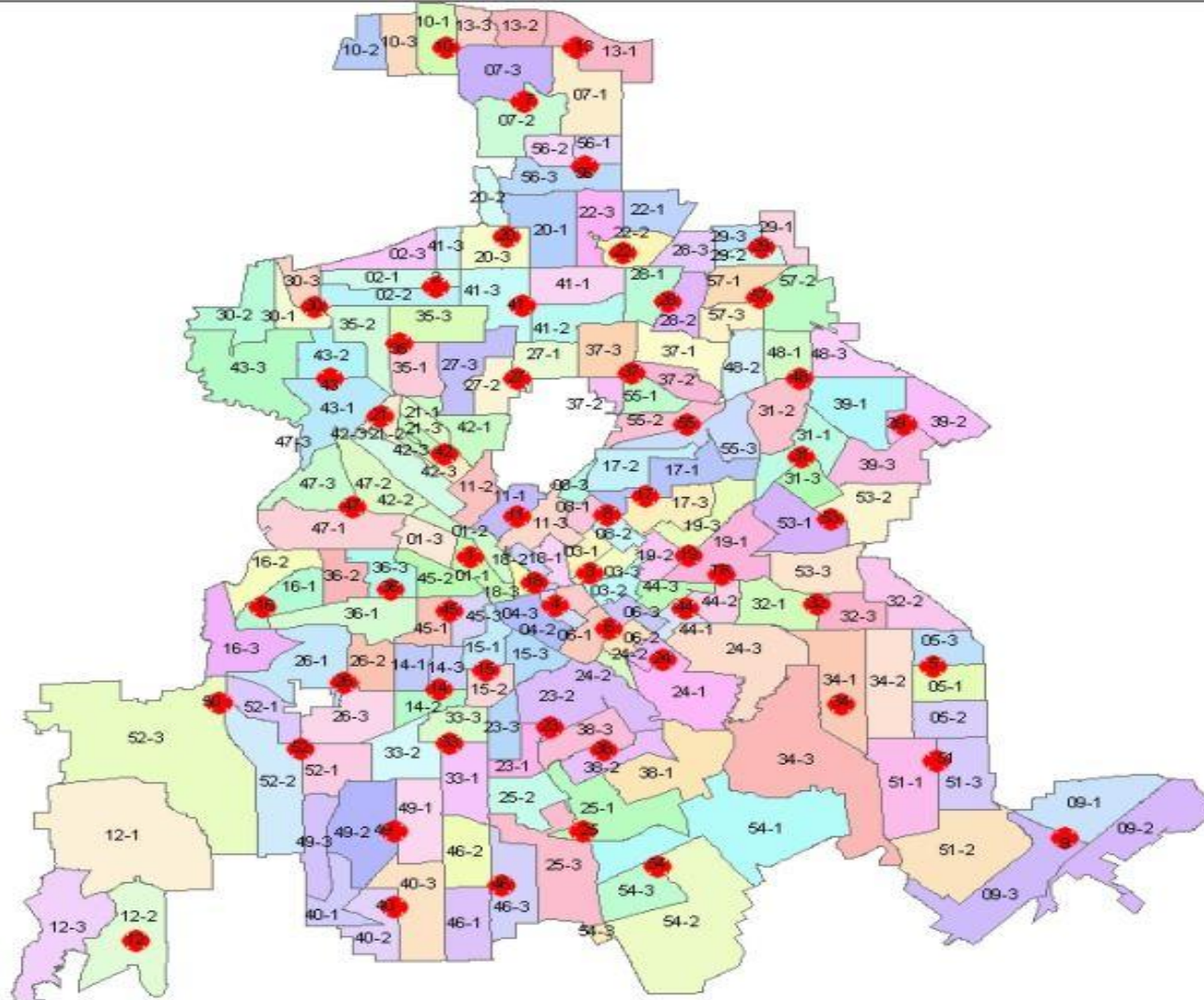


Smoke Detector Installations
December 2015

- Detector Installations
- Fire Stations

Mobile Community Health Program





Division Chief Relocation?

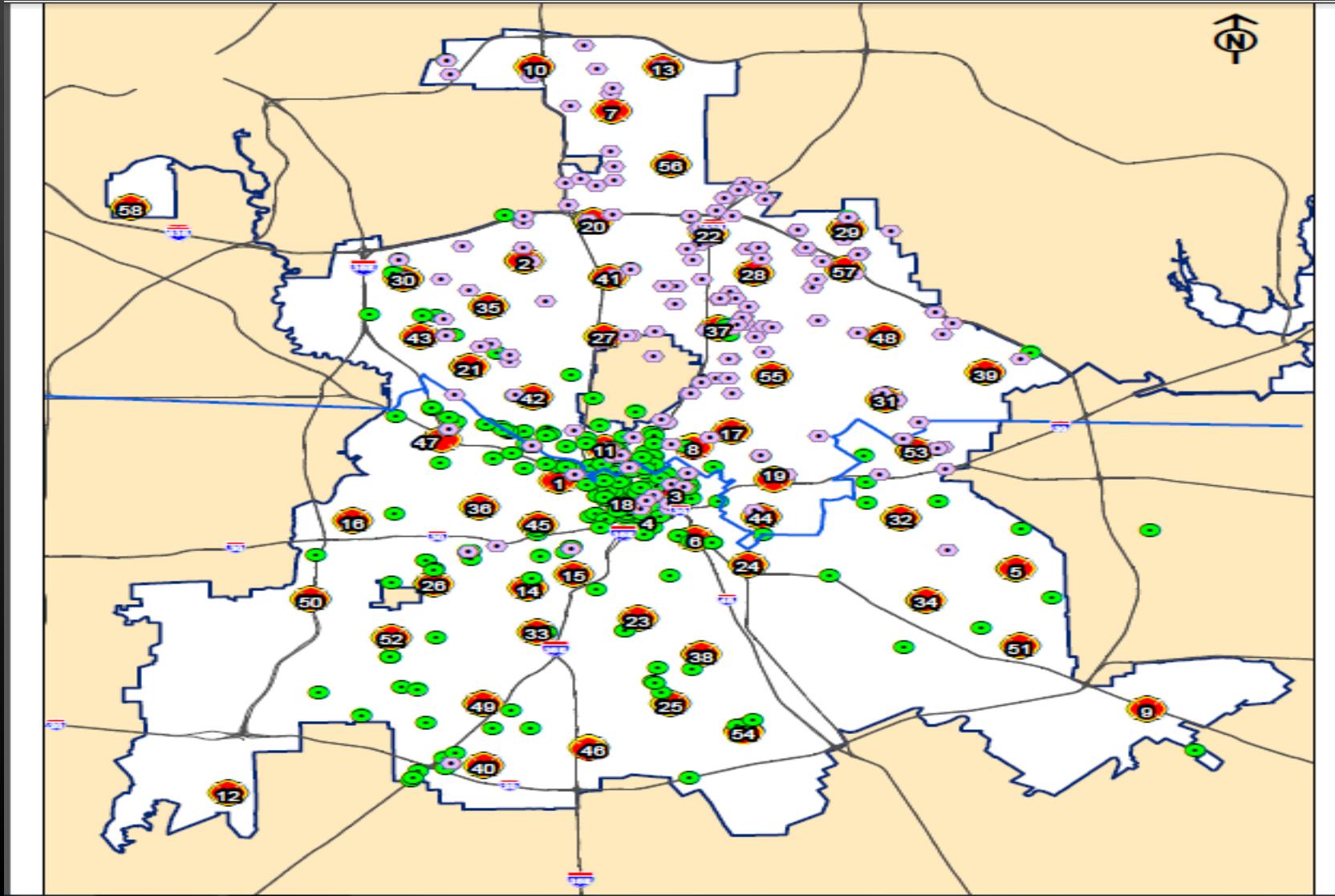
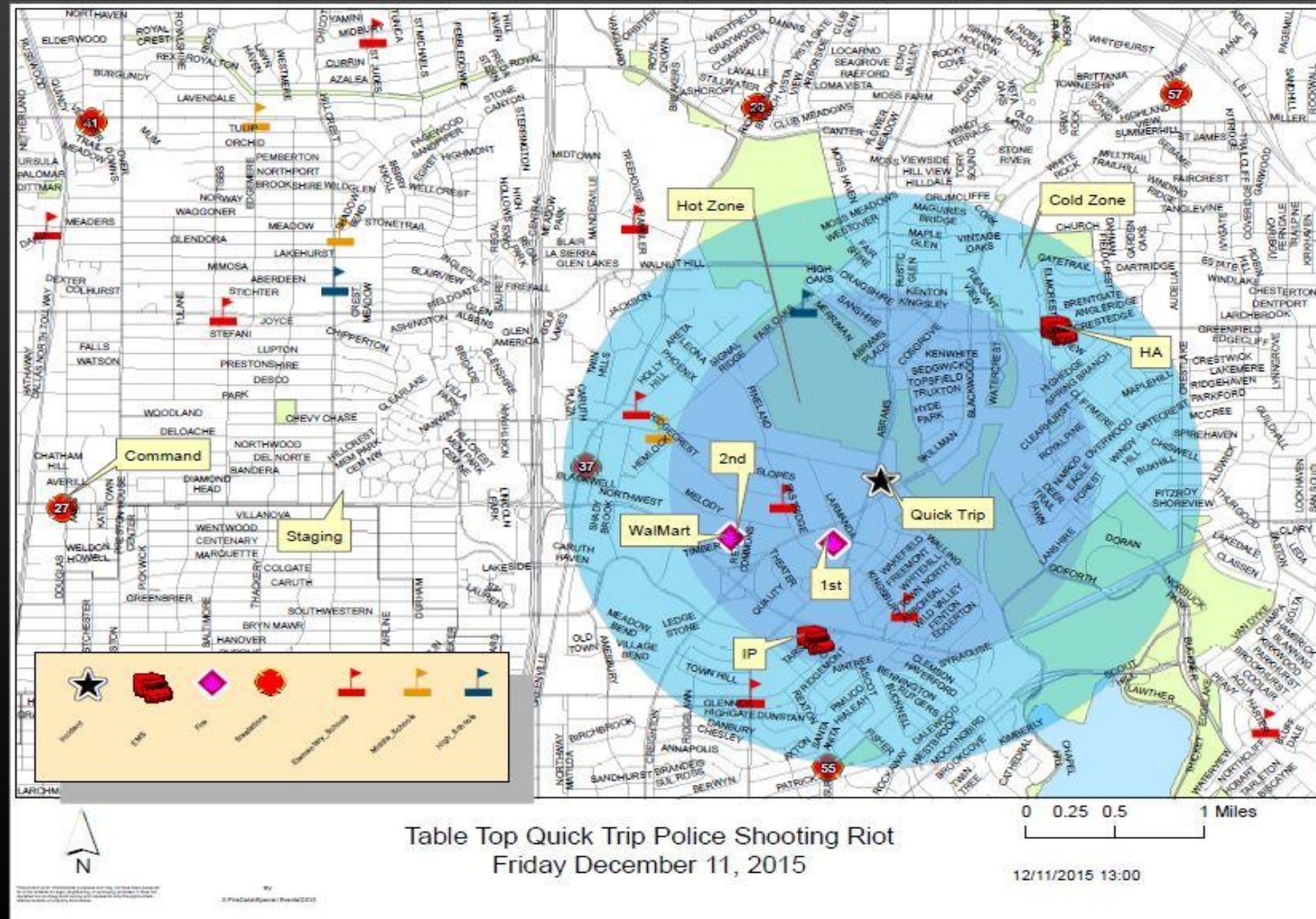


TABLE TOP EXERCISE



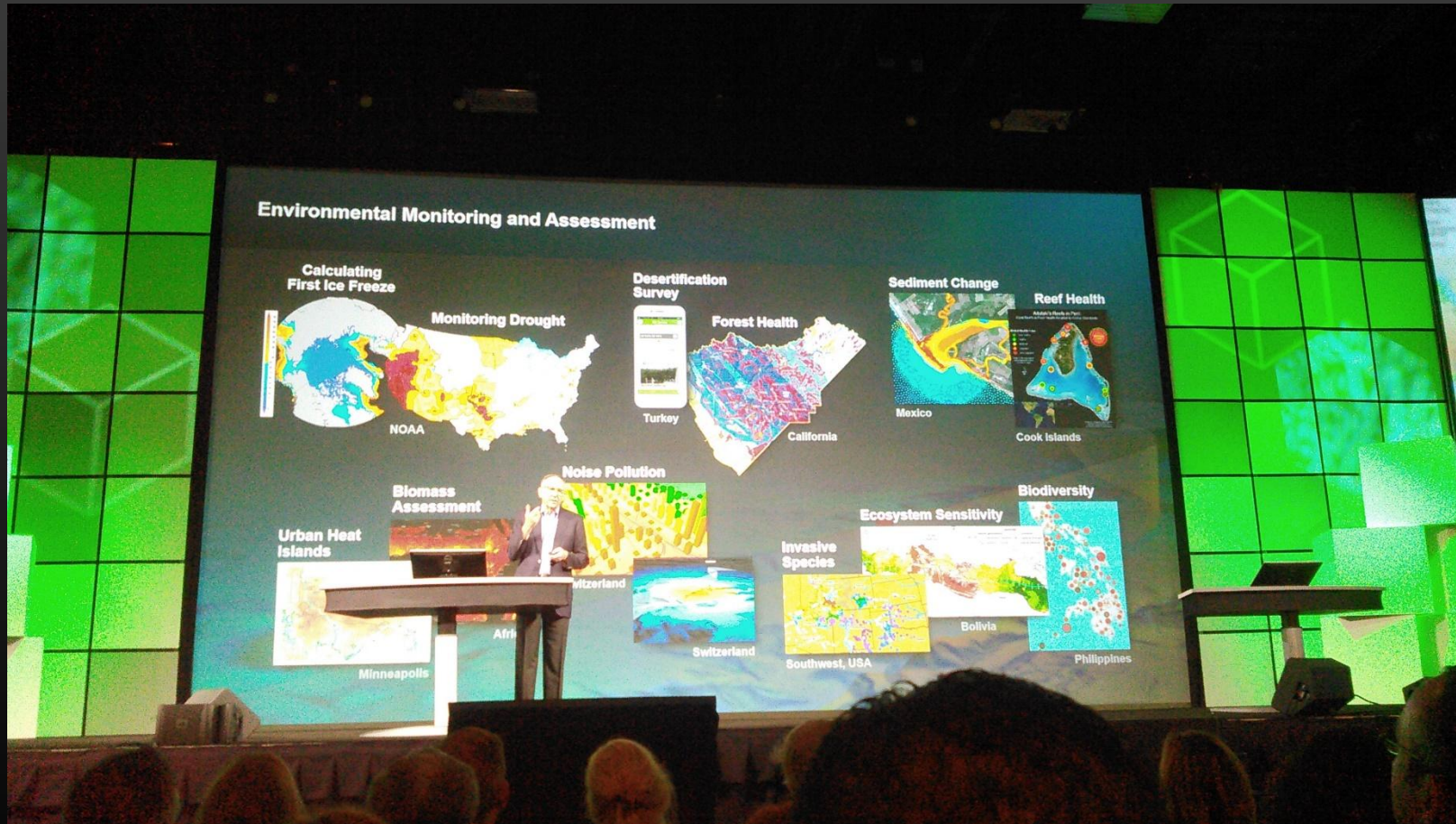
SCAUG Conference



SCAUG Conference



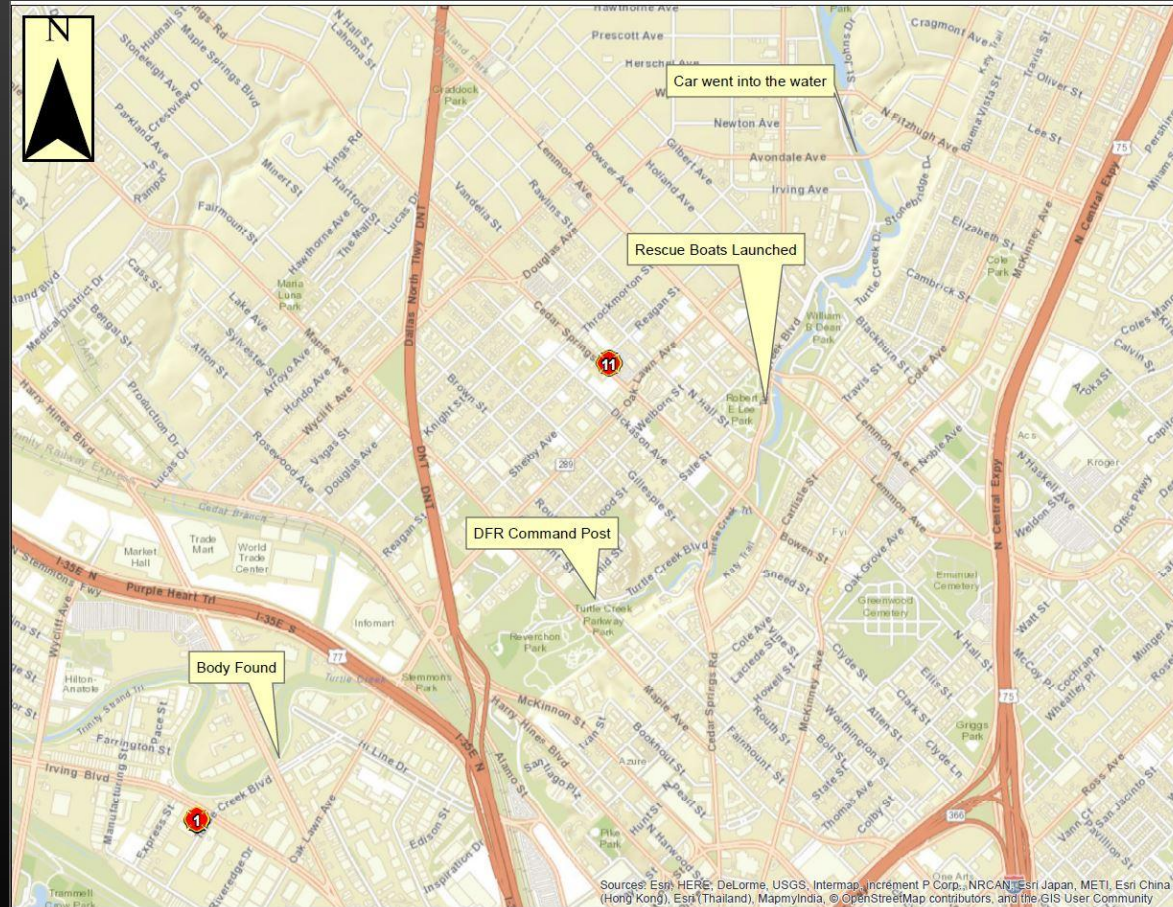
ESRI User Conference



SMU Police Officer Search



SMU Police Officer Search



SMU Police Officer Search



Dallas Active Shooter



Police officers take cover as they search for suspects in deadly shooting in downtown Dallas on July 8, 2016.

Dallas Active Shooter

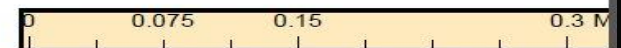


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Downtown Dallas Active Shooter

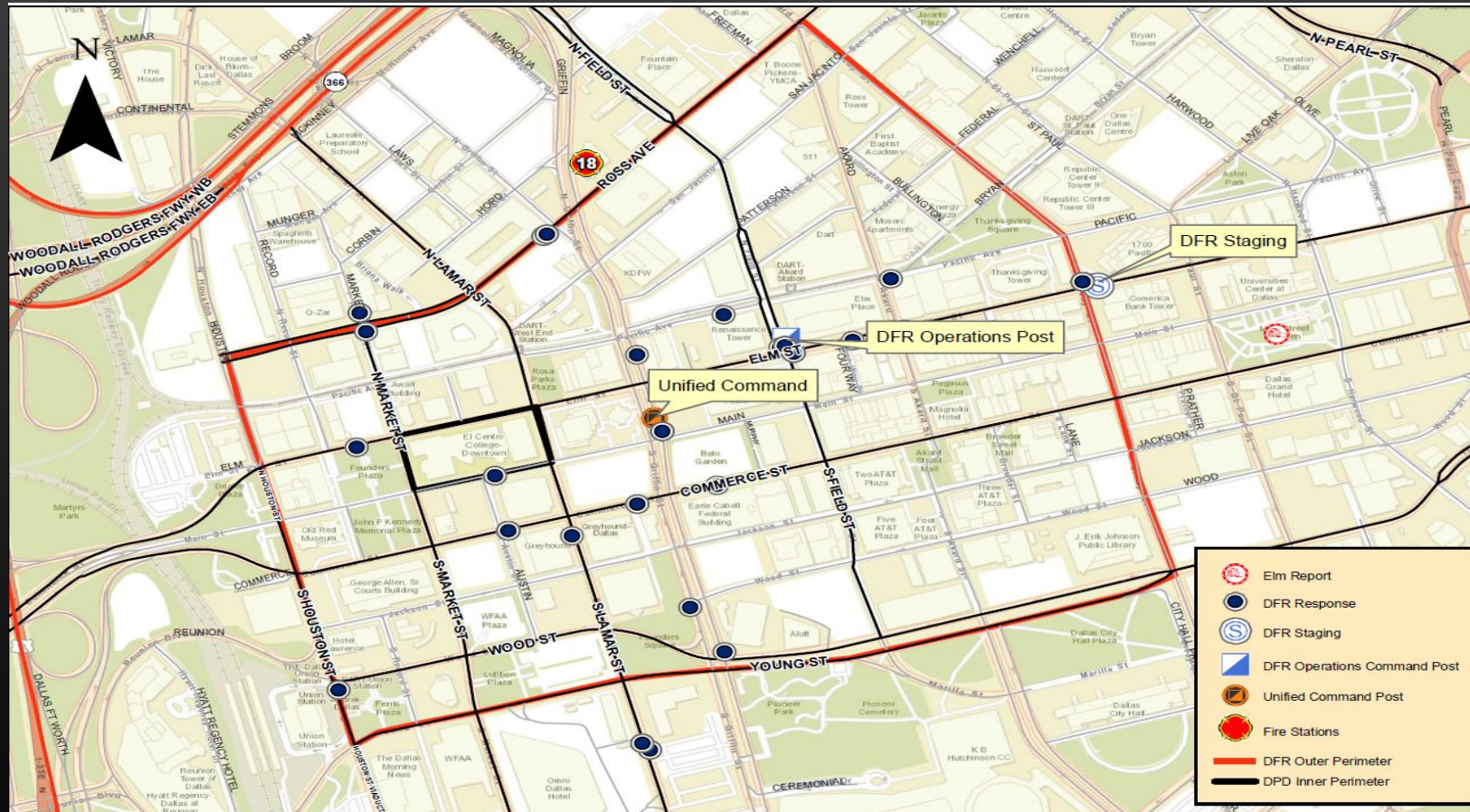
Dallas Fire Rescue After Action



El Centro College



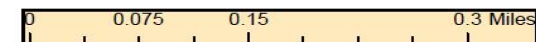
Dallas Active Shooter



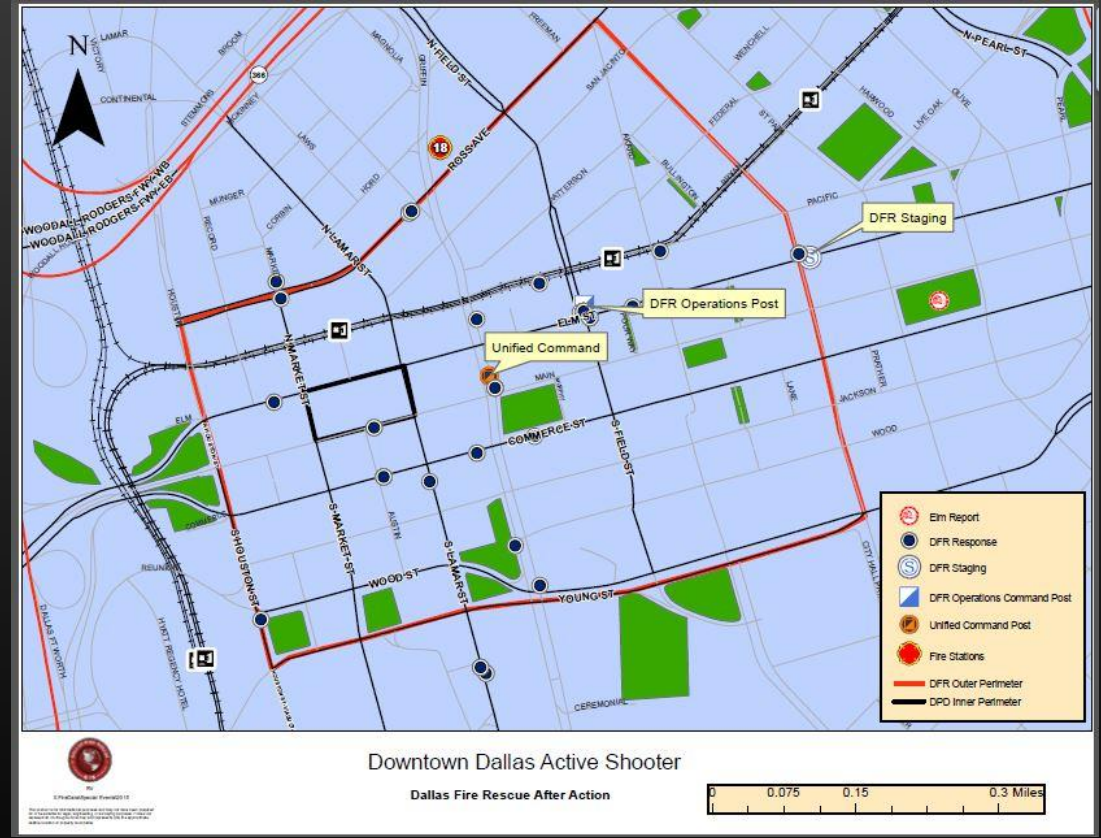
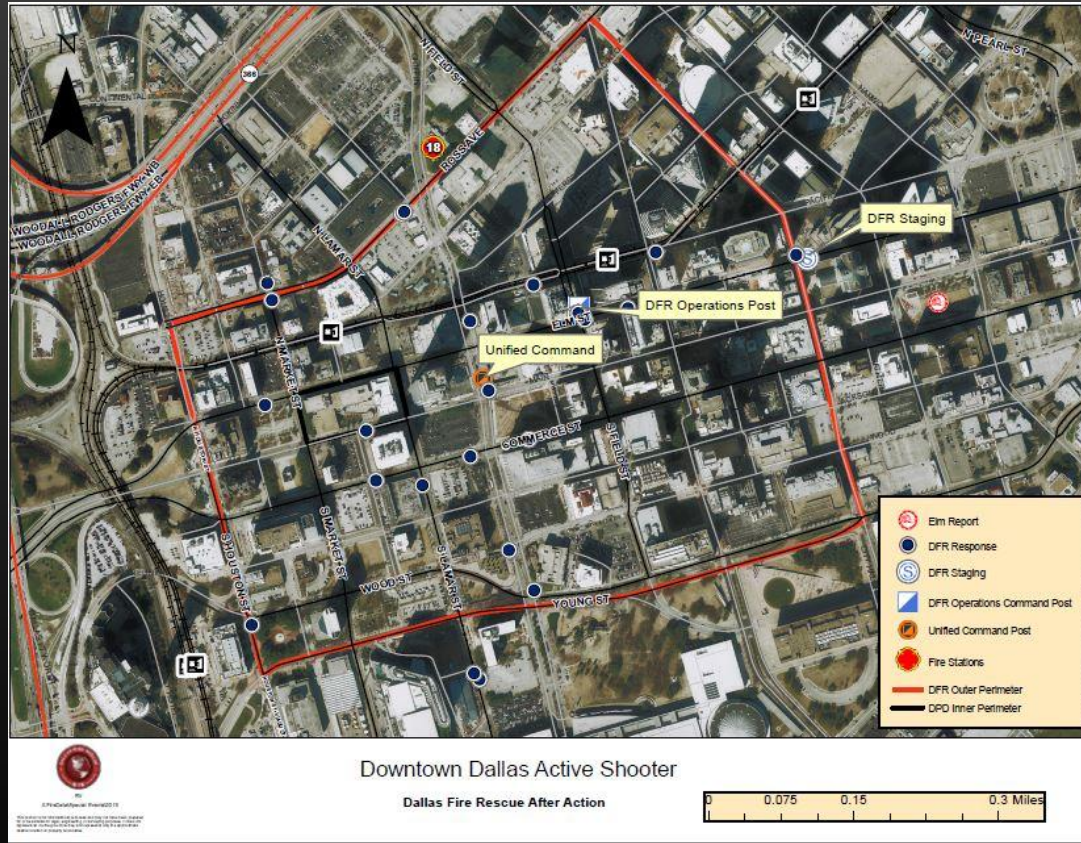
DFR
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Downtown Dallas Active Shooter

Dallas Fire Rescue After Action



Dallas Active Shooter



Dallas Active Shooter



Dallas Active Shooter



Our ESRI Representative



Dallas Fire Rescue GIS



Big Man doing Big Things in GIS



Contact Information



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Fire Lieutenant

Dallas Fire-Rescue
Communications & Technology
GIS Section

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