

A large, irregular teal watercolor splash serves as the background for the text. The splash has a textured, painterly appearance with darker and lighter shades of teal. Scattered around the edges of the splash are numerous small, dark teal dots and speckles, giving the overall design a dynamic, ink-splattered feel.

Wake County Fire Commission

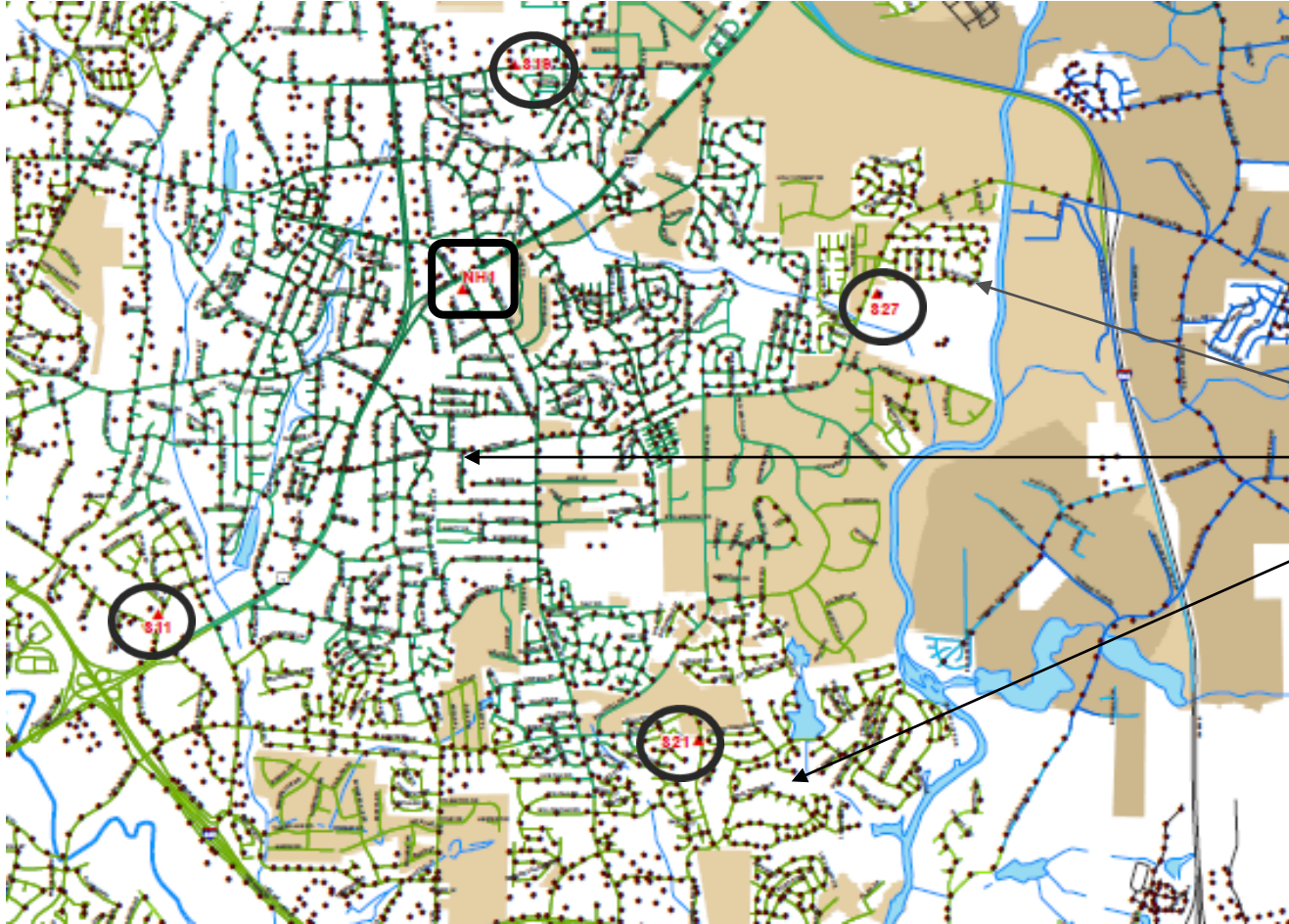
**Update and Opportunities
July 15, 2021**

Topics

- Background/History on Fire Service delivery for “doughnut” holes in the County Tax District and past Studies
- How we operate today regarding response and service delivery in these areas
- New North Carolina Department of Insurance rules & how it could affect the Tax District
- Current Proposal
- Supporting Data



Background/History



“Doughnut Holes” –
These are areas of
property and land that
have been created due
to municipal boundary
expansions.

White Areas - City of Raleigh



Tan Areas – New Hope District





Past Studies

1994 Tri Data Study – Page 1 Executive Summary

The major focus of this study is directed toward the delivery of fire services in unincorporated areas, which are directly under the jurisdiction of Wake County. The intimate relationship between incorporated and unincorporated areas and the changing boundary lines make it unrealistic to consider the protection of unincorporated areas without also considering the needs of the incorporated areas. It is also evident that some level of joint planning and coordination of fire services among all of the responsible jurisdictions will be essential for the future. There is a common desire among all of the jurisdictions to strive toward providing higher levels of service in all areas.



Past Studies

1994 Tri Data Study – Page 10 Executive Summary

The cities of Raleigh and Cary should be encouraged to expand their service delivery areas for fire protection and other emergency services to include all of the surrounding unincorporated areas where their municipal career fire departments can respond most quickly. This would form a band around the two cities to encompass all of the fragmented areas that have been created by annexations. The main objective of this plan would be to provide the primary emergency response to these areas from the closest available fire station(s). If a single fire district plan is not adopted, the unincorporated areas that would be served by the two major fire departments should be consolidated as two fire districts; an expansion of the Raleigh Suburban Fire District and a new Cary Suburban Fire District.

Past Studies

2003 Tri-Data Fire/EMS Station Study – Page 8 Executive Summary

Recommendation	Implementation Timeframe	Consideration	Type of Action
Relocate HSDPS Station 2 to 10200 block of Holly Springs Road	Complete relocation by end of FY 2004	Construction of HSDPS Station 2 is underway. This relocation will occur upon completion of the station sometime in 2004.	Relocation
Initiate closure process for Falls Station 1	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from Falls Station 1 with fire service from City of Raleigh. Initiate contract negotiations with City of Raleigh.	Station closure; replace service by contract.
Initiate closure process for WWFD Station 1	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from WWFD Station 1 with fire service from City of Raleigh. Initiate contract negotiations with City of Raleigh.	Station closure; replace service by contract.
Initiate closure process for WWFD Station 2	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from WWFD Station 2 with fire service from Town of Cary. Initiate contract negotiations with Town of Cary.	Station closure; replace service by contract.
Initiate closure process for W-NHFD Station 1	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from WNHFD Station 1 with fire service from City of Raleigh. Initiate contract negotiations with City of Raleigh.	Station closure; replace service by contract.
Initiate closure process for EWFD Station 2	Begin detailed closure analysis and transition process in FY 2005	Replace fire service from EWFD Station 2 with fire service from Town of Knightdale. Initiate contract negotiations with Town of Knightdale.	Station closure; replace service by contract.
Initiate closure process for Bayleaf Station 3 (as a fire station)	Begin detailed closure analysis and transition process in FY 2005	Its service areas are donut holes within Raleigh. Replace with fire service contracted with City of Raleigh. (We recommend continuing to use the station as an EMS station.)	Station-use change: replace fire service by contract; use for EMS.
Initiate closure	Begin detailed	Replace fire service from MFD	Station closure;



Past Studies

2009-2015 Fire Commission Long Range Plan – Page 8 Executive Summary

Summary of Fire Station Recommendations for FY 2009 – 2015

- Construct fire station in southeastern Wake County, Raynor Road area.
- Address ongoing maintenance and repair needs of existing fire stations during the annual operating budget development
- Initiate fire station closure evaluations for Bay Leaf Fire Station #3, Falls Fire Station, Wake New Hope Fire Station #1 and Western Wake Fire Station #1 in FY 2009.



Past Studies

2017 ESCI/Wake County Staffing & Deployment Study

2017 Staffing and Deployment Study

Continue to work with the City of Raleigh to address “donut hole” response areas and pursue closures of under utilized stations.



Recommendation 7



Past Studies

2021 Long Range Plan Standards & Guiding Principles

NC STATE UNIVERSITY

Station Closure Results



7. Consider supplemental documents such as Community Engagement Study, ITRE/ORED Documents as well as older applicable studies in future decision-making opportunities regarding Stations and Staffing.

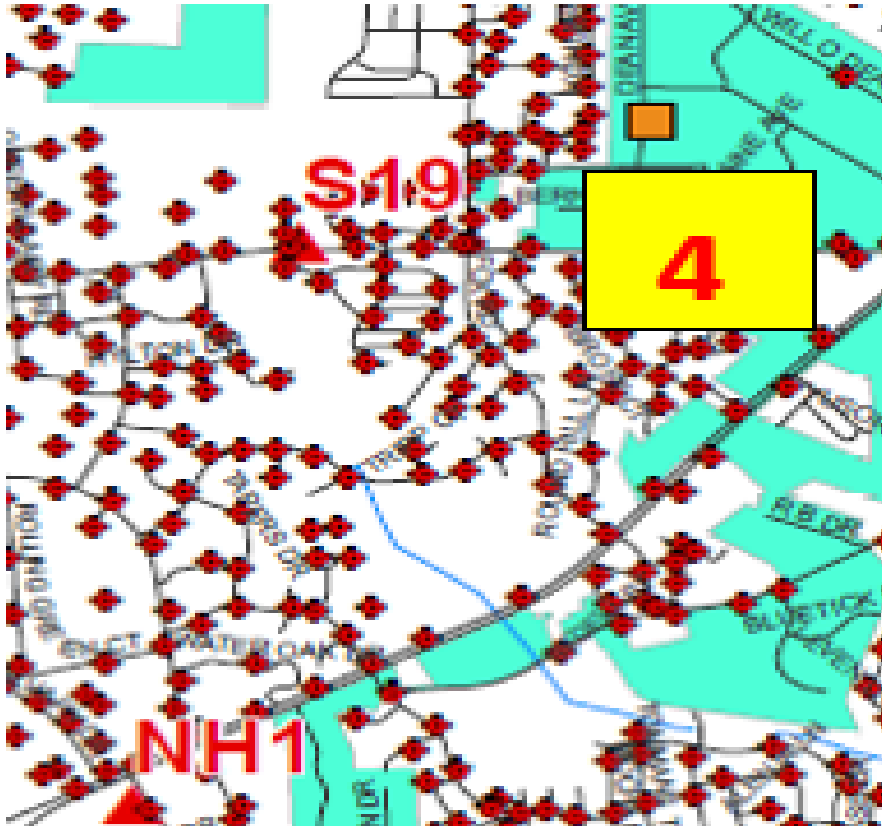


Obstacles

- Why haven't we moved forward?
- Unknown ISO implications for Raleigh & Cary
- Never could agree on funding methodology
- Pride & Tradition of existing departments

Current service delivery model for these areas

Response for all areas within unincorporated Wake County is based on closest available unit with response rules built into the CAD (4 min 30 sec rule for travel times into and outside of Raleigh municipal limits)



- As an example – This yellow box marked 4 is an address that is in the unincorporated of Wake County within one of the “doughnut holes” .
 - GIS Travel Time Modeling shows that Raleigh E19 can be there within 1.31 minutes and Wake New Hope E1 would take 3.91 minutes.
- Exceptions to the CAD rules – Structure Fires, Cardiac Events & Vehicle Accidents with Severe Injuries, a 30 second rule is applied.



What has changed?

New ruling from the NC Department of Insurance

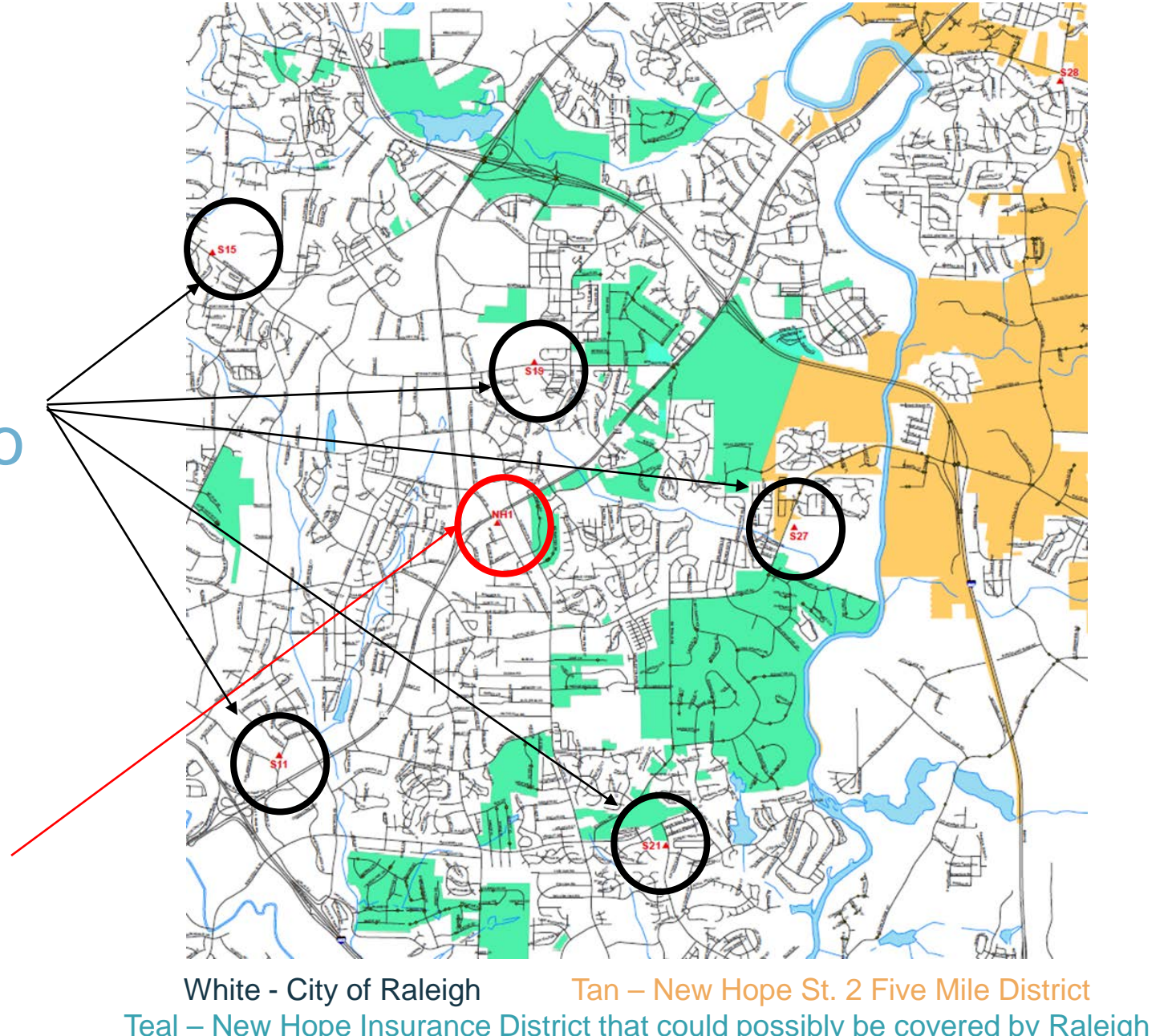


NC DEPARTMENT
of INSURANCE
MIKE CAUSEY, COMMISSIONER

If a Fire Departments primary fire district has an area **over** five miles from their station or stations but the neighboring fire district has a fire station within five miles of that same area, then automatic aid for station location for that area can be applied. By applying this automatic aid area, the property owners will then receive the primary fire districts five-mile district rating.

How this opens doors – Removes one historic obstacle

- Raleigh or Cary covering county district within 5 miles of their stations under auto aid does not affect their ISO grade
- New Hope Station Closure – Coverage by Raleigh Fire

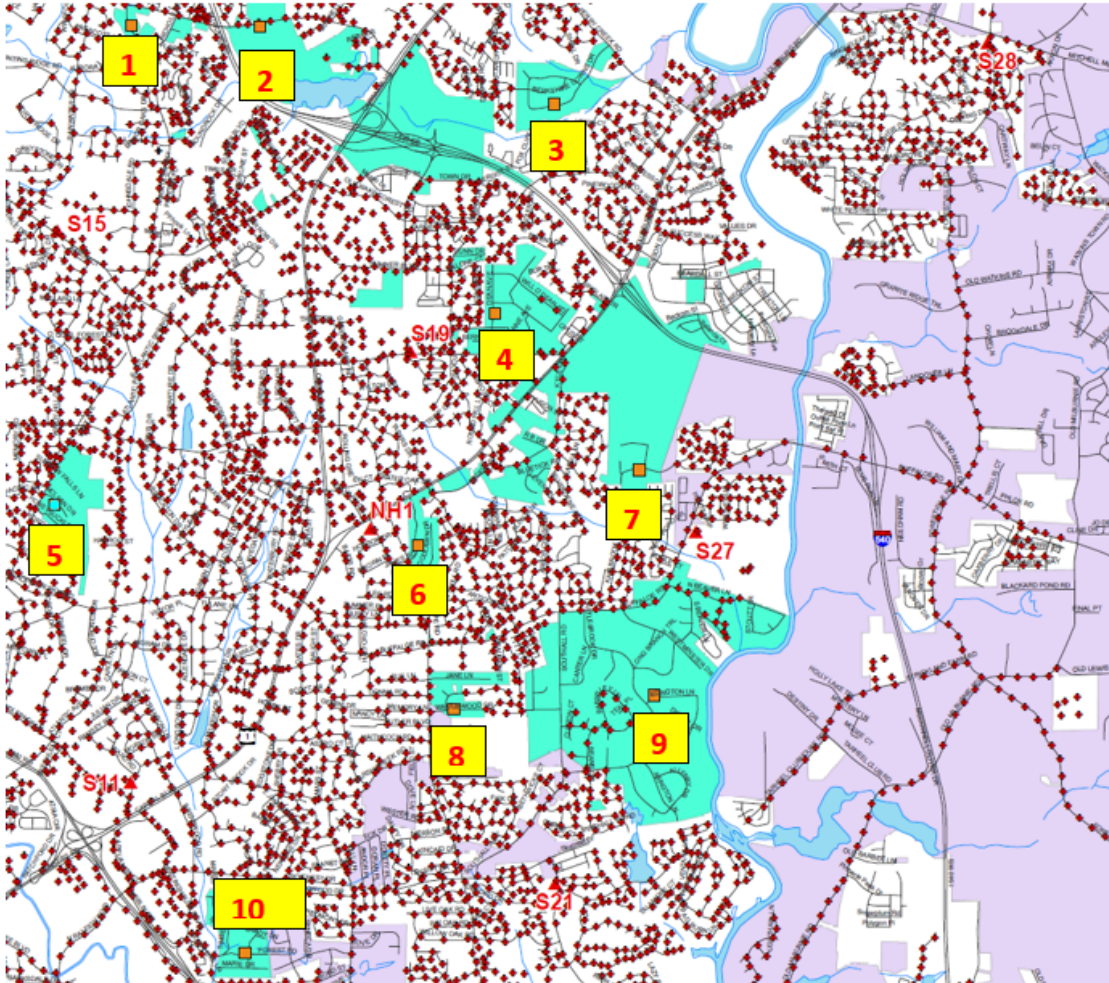


What has changed?

- We have a fire department that understands service delivery could be provided equally or better by using this new NCDOT procedure change
- Wake County and Wake New Hope have been engaged in conversations for the last 2 months, and both agree that exploration of Raleigh Fire Department Covering New Hope Fire District that is more than 5 miles from New Hope Station 2 would be in the best interest of all parties.



How does this fit in with our new Long Range Guiding Principles & Standards



# on Map	Address	Raleigh Station Travel	New Hope 1 Travel
1	7708 Litchford Rd	St15 – 3.14 mins	6.65 mins
2	3000 Gresham Lake Rd	St15 – 4.22 mins	6.73 mins
3	7337 Berkshire Downs	St25 – 4.22mins	7.09 mins
4	5808 Dean Ave	St19 – 1.31 mins	3.91 mins
5	1626 McLean Dr	St15 – 3.38 mins	4.93 mins
6	4224 James Rd	St19 – 2.92 mins	1.34 mins
7	5004 Holly Ridge Farm Rd	St27 – 2.17 mins	6.89 mins
8	4209 Wedgewood Dr	St21 – 3.32 mins	2.80 mins
9	5305 Edington Ln	St27- 2.81 mins	4.81 mins
10	3209 Timberlake Dr	St11 – 3.74 mins	6.81 mins

Will Raleigh Fire Cover the area?

- Wake County and the City of Raleigh Fire Department have been engaged in discussions. Raleigh Fire Department is running the vast majority of the calls in this area based on AVL dispatching. Conversations will continue as we explore new funding methodologies and approaches that benefit all parties.



Facility Closure Considerations

Wake New Hope Station 1

- Is it a better service for the citizens? YES
- Is the service delivery equal or better? YES
- Is the cost to provide the service less or near the same? TBD



Questions or Comments ?

