

Manager's Update

raleighnc.gov



Issue 2024-40

October 11, 2024

IN THIS ISSUE

Brookside Drive Safety Initiatives
Weekly Digest of Special Events

Council Follow Up Items

Fire Station Wi-Fi Status

INFORMATION:

Regular Council Meeting Tuesday, October 15; Lunch Work Session at 11:30 - Lunch Will be Provided

Council will meet in regular work session at **11:30 A.M.** in the **Council Chamber**. Please note the agenda for the lunch work session is included with the regular meeting agenda and may be accessed via the BoardDocs electronic agenda system:

<https://go.boarddocs.com/nc/raleigh/Board.nsf/Public>

The **regular** Council meeting begins at **1:00 P.M.**

Please note there will be a **Closed Session** immediately following the afternoon session of the Council meeting.

Reminder: If there is an item you would like to pull from the consent agenda for discussion, please e-mail mayorstaff@raleighnc.gov by 11 A.M. the day of the meeting.

Brookside Drive Safety Initiatives

Staff Resource: Barbara Godwin, Transportation, 996-2504, barbara.godwin@raleighnc.gov

At the October 1st meeting, Council unanimously approved implementation of protected bike lanes with vertical buffer on Brookside Drive between Glascock Street and Frank Street. The reconfiguration of Brookside Drive is designed to address documented safety concerns with the existing elongated right turn lane approaching Frank Street.

Council also requested that staff explore additional funding sources to cover the costs of installing a concrete buffer as part of a future betterment to these facilities.

Phase One, Fall 2024 (Striping Bike Lanes and Painted Buffer):

Staff is finalizing design plans for phase one of the Brookside Drive protected bike lanes, which includes striping the bike lanes and a painted buffer.

The installation of striping and pavement markings will address safety concerns with the existing condition, where aggressive drivers currently pass motorists in the elongated right-turn lane into Conn Elementary. The striped bike lanes will merge into the vehicular travel lanes before the intersection of Frank Street and Brookside Drive to support the current queuing needs of Conn Elementary.

Once design plans are finalized, staff will work with a private contractor to complete the striping and pavement marking work within 45 days of the notice to proceed. The notice to proceed will be issued once design is complete, within the next month. Weather permitting, construction of the bike lanes could be completed by the end of December.

Phase Two, Winter/Spring 2025 (Install Vertical Delineators):

Phase two of the project includes the installation of vertical separation, which will be installed in the painted buffer in Winter/Spring 2025. When implementing vertical elements in bike lanes, there is added complexity that requires careful design and evaluation of the curb space. Complexities like driveways, roll out trash & recycling bins, and mailboxes need to be evaluated and designed for to ensure appropriate access to the curb is maintained, and the separated bike lane is not restricting access to critical services. Over the winter months, staff will work through these design elements in preparation for the phase two additions to the project.



Example of Phase 1 and 2 Implementation

Separated Bike Lane Pilot, 2025

City Council's recommendation for the Brookside Drive bike lanes includes flexi-posts as the desired vertical element in the buffer. Staff is also evaluating other vertical materials to be installed in bike lane buffers as a betterment to flexi-posts through a separated bike lane pilot in 2025.

The separated bike lane pilot will test out new vertical materials on up to five streets with existing buffered bike lanes. With possible implementation of buffered bike lanes in Fall 2024, Brookside Drive is a strong candidate for the separated bike lane pilot in 2025.

Testing new vertical materials on Brookside Drive will be a tactical installation that more closely aligns with goals to enhance the protection of bike lanes with materials such as rubber or concrete curb.

Staff will provide updates to City Council between Spring and Summer of 2025.

(No attachment)

Weekly Digest of Special Events

Staff Resource: Sarah Heinsohn, Office of Special Events, 996-2200, sarah.heinsohn@raleighnc.gov

Included with the *Update* materials is the special events digest for the upcoming week.

(Attachment)

Council Member Follow Up Items

General Follow-up

Fire Station Wi-Fi Status

Staff Resource: Mark Wittenburg, Information Technology, 996-5456, mark.wittenburg@raleighnc.gov

Council requested an update on the network upgrade status and progress of enabling Information Technology Department supported Wi-Fi in all Fire stations. Included with the *Update* materials is a staff memorandum prepared addressing this request.

(Attachment)

Weekly Events Digest

Friday, October 11 – Thursday, October 17

City of Raleigh Office of Special Events
specialevents@raleighnc.gov | 919-996-2200 | raleighnc.gov/special-events-office

Permitted Special Events

[City of Raleigh Employee Wellness and Benefits Fair](#)

Nash Square & Sidewalk Route

Friday, October 11

Event Time: 10:00am - 2:00pm

Associated Impacts: No roads will be closed for the event. Nash Square will be used from 7:00am until 2:00pm. Adjacent sidewalks will be used from 11:00am until 11:30am for a walk.

[Triangle Run/Walk for Autism](#)

Halifax Mall & Route

Saturday, October 12

Event Time: 7:00am - 11:00am

Associated Road Closures: N. Wilmington Street between Polk and E. Lane streets, and E. North and Polk streets between N. Wilmington and N. Person streets will be closed from 5:00am until 11:00am.

Additional roads will be closed from 8:50am until 11:00am for the 5K. Note that all cross-streets one block in each direction will be detoured and view the [5K route map](#) for more details.

[The Cupcake Run at Brier Creek](#)

Brier Creek & Arco Corporate Drive

Saturday, October 12

Event Time: 8:00am - 10:15am

Associated Road Closures: Roads will be used from 8:00am until 10:15am. View the [5K route map](#) for more details.

[Fall for Five Points](#)

Fairview Road

Saturday, October 12

Event Time: 11:00am - 7:00pm

Associated Road Closures: Fairview Road between the Wells Fargo Bank and Glenwood Avenue will be closed from 8:00am until 8:00pm.

[Pelagic Block Party](#)

Pace Street

Saturday, October 12

Event Time: 2:00pm - 8:00pm

Associated Road Closures: Pace Street between Person Street and the driveway next to Pelagic Beer and Wine will be closed from 11:00am until 9:00pm.

[Raleigh DIY Punk Rock Flea Market](#)

Rebus Works & Kinsey Street

Saturday, October 12 & Sunday, October 13

Event Time: 12:00pm - 6:00pm on 10-12-24; 11:00am - 4:00pm on 10-13-24

Associated Road Closures: Kinsey Street between Dupont Circle and Rebus Works will be closed from 9:00am until 8:00pm on 10-12-24, and from 8:00am until 6:00pm on 10-13-24.

[The 36th Annual Thad & Alice Eure Walk for Hope](#)

Glenwood Avenue

Sunday, October 13

Event Time: 9:00am - 2:00pm

Associated Road Closures: Eastbound Glenwood Avenue between the Angus Barn and Umstead

Parkway will be closed from 7:00am until 3:00pm. Note that one lane of eastbound Glenwood Avenue will remain accessible to traffic. View the [5K route map](#) for more details.

Other Upcoming Events

[Tampa Bay Lightning vs. Carolina Hurricanes](#)

Friday, October 11
Lenovo Center

[Secure Our World: Staying Cyber Safe in the Digital Age](#)

Friday, October 11
Five Points Center for Active Adults

[The Music of John Williams – NC Symphony](#)

Friday, October 11 & Saturday, October 12
Meymandi Concert Hall

[Marsh Creek Community Day](#)

Saturday, October 12
Marsh Creek Park

[Recycled Orchestra of Cateura](#)

Saturday, October 12
Pullen Park

[Men Are From Mars – Women Are From Venus LIVE!](#)

Saturday, October 12
Fletcher Opera Theater

[Ray LaMontagne + Gregory Alan Isakov](#)

Sunday, October 13
Red Hat Amphitheater

[Ana Barbara](#)

Sunday, October 13
Memorial Auditorium

[New Jersey Devils vs. Carolina Hurricanes](#)

Tuesday, October 15
Lenovo Center

[Stephen Sanchez with The Paper Kites](#)

Tuesday, October 15
Red Hat Amphitheater

[United States Air Force Band](#)

Tuesday, October 15
Memorial Auditorium

[Jungle](#)

Wednesday, October 16
Red Hat Amphitheater

Weekly Events Digest

Friday, October 11 – Thursday, October 17

City of Raleigh Office of Special Events
specialevents@raleighnc.gov | 919-996-2200 | raleighnc.gov/special-events-office

[Jessica Kirson](#)

Thursday, October 17
Meymandi Concert Hall

[NC State Fair](#)

Thursday, October 17 – Sunday, October 27
NC State Fairgrounds

[Jekyll & Hyde – Carolina Ballet](#)

Thursday, October 17 – Sunday, November 3
Fletcher Opera Theater

Public Resources

[Event Feedback Form](#): Tell us what you think about Raleigh events! We welcome feedback and encourage you to provide comments or concerns about any events regulated by the Office of Special Events. We will use this helpful information in future planning.

[Road Closure and Road Race Map](#): A resource providing current information on street closures in Raleigh.

[Online Events Calendar](#): View all currently scheduled events that impact city streets, public plazas, and Dorothea Dix Park.

Council Member Follow Up

To	Marchell Adams-David, City Manager
From	Mark Wittenburg, Chief Information Officer
Department	Information Technology / RFD
Date	September 30, 2024
Subject	Fire Station Wi-Fi Status

Fire Station Wi-Fi

Council requested an update on the network upgrade status and progress of enabling Information Technology Department supported Wi-Fi in all Fire stations. As a refresh, Information Technology and Raleigh Fire Department (RFD) staff collaborated to review the existing network and provide the City Council with options to provide Wi-Fi. Through a budget note, the option to adopt City-wide standard for Wi-Fi provided by Enterprise IT Department was selected and funded. This option includes installing Wi-Fi components and network equipment that are standardized across the enterprise network for each fire station.

As part of the project, Information Technology took the opportunity to redesign the RFD network. The existing infrastructure was analyzed to identify opportunities for directly connecting Fire Stations and future city-owned assets (traffic signals, sensors, and smart cities infrastructure) to fiber optic cable where possible. Fiber provides exponentially higher speed, reliability, security, and there is no reoccurring cost once installed. The initial worst-case fiber expansion for 14 easy to reach stations will be less than \$358,000. Information Technology is utilizing the approved Fiber Expansion CIP to fund connection to Fire Stations and other city-owned equipment in the right of way.

The remaining Fire Station networks will be upgraded from old coaxial cable service to modern 5G wireless supplied by FirstNet, a network dedicated to public safety with improved speed and reliability over traditional Internet Service Providers. The original estimate provided to City Council was \$113,000 per year for equipment and Internet service. Utilizing existing capital funds to install fiber where possible to reduce reoccurring fees, the actual cost will be \$71,000 per year for Wi-Fi and improved overall experience at the Fire Stations.

Project Status

Information Technology worked with RFD staff to perform a successful pilot of the proposed FirstNet solution for expanded network connectivity and Wi-Fi at Fire Station

1. All equipment has been ordered and received to implement the proposed solution and seven Fire Stations now have Wi-Fi “Oaktree” service operational. The remaining stations are in varying stages of fiber construction and equipment installation. Rain and NC Department of Transportation permits have delayed several sites. Once complete, the Fire Station staff will all enjoy city provided Wi-Fi, higher speed of the overall network, better reliability, and improved security.

First Station Wi-Fi and Network Installation Status

Location	Wi-Fi Connectivity	Status	Estimated Completion
Station 1	City Fiber	Complete	Complete
Station 2	City Fiber	Waiting on contractor	11/29/2024
Station 3	5G Cellular	In Progress	10/31/2024
Station 4	City Fiber	Conduits and vaults installed: On hold due to weather	10/4/2024
Station 5	City Fiber	Conduits and vaults installed: On hold due to weather	10/11/2024
Station 6	City Fiber	Waiting on contractor	10/18/2024
Station 7	5G Cellular	Complete	Complete
Station 8	5G Cellular	Complete	Complete
Station 9	5G Cellular	In Progress	9/27/2024
Station 10	5G Cellular	In Progress	10/31/2024
Station 11	5G Cellular	In Progress	10/31/2024
Station 12	City Fiber	Complete	Complete
Station 14	5G Cellular	In Progress	10/31/2024
Station 15	City Fiber	Complete	Complete
Station 16	City Fiber	Waiting on NCDOT Permit	2/28/2025
Station 17	5G Cellular	In Progress	11/29/2024
Station 18	City Fiber	Waiting on NCDOT Permit	2/28/2025
Station 19	City Fiber	Waiting on NCDOT Permit	2/28/2025
Station 20	5G Cellular	In Progress	12/31/2024

Station 21	5G Cellular	In Progress	12/31/2024
Station 22	5G Cellular	In Progress	11/29/2024
Station 23	5G Cellular	In Progress	11/29/2024
Station 24	City Fiber	Waiting on contractor	11/29/2024
Station 25	5G Cellular	In Progress	11/29/2024
Station 26	City Fiber	Complete	Complete
Station 27	City Fiber	Waiting on NCDOT Permit	2/28/2025
Station 28	City Fiber	Waiting on NCDOT Permit	2/28/2025
Station 29	5G Cellular	In Progress	12/31/2024