

WAKE TRANSIT PLAN

Transit Planning Advisory Committee

REGULAR MEETING

November 13, 2019

9:30 AM

GO FORWARD
A COMMUNITY INVESTMENT IN TRANSIT

I. Welcome and Introductions

Shannon Cox, TPAC Chair

II. Adjustments to the Agenda

Shannon Cox, TPAC Chair

III. General Public or Agency Comment

Shannon Cox, TPAC Chair

V. Wake Transit Vision Plan Update – Status Report

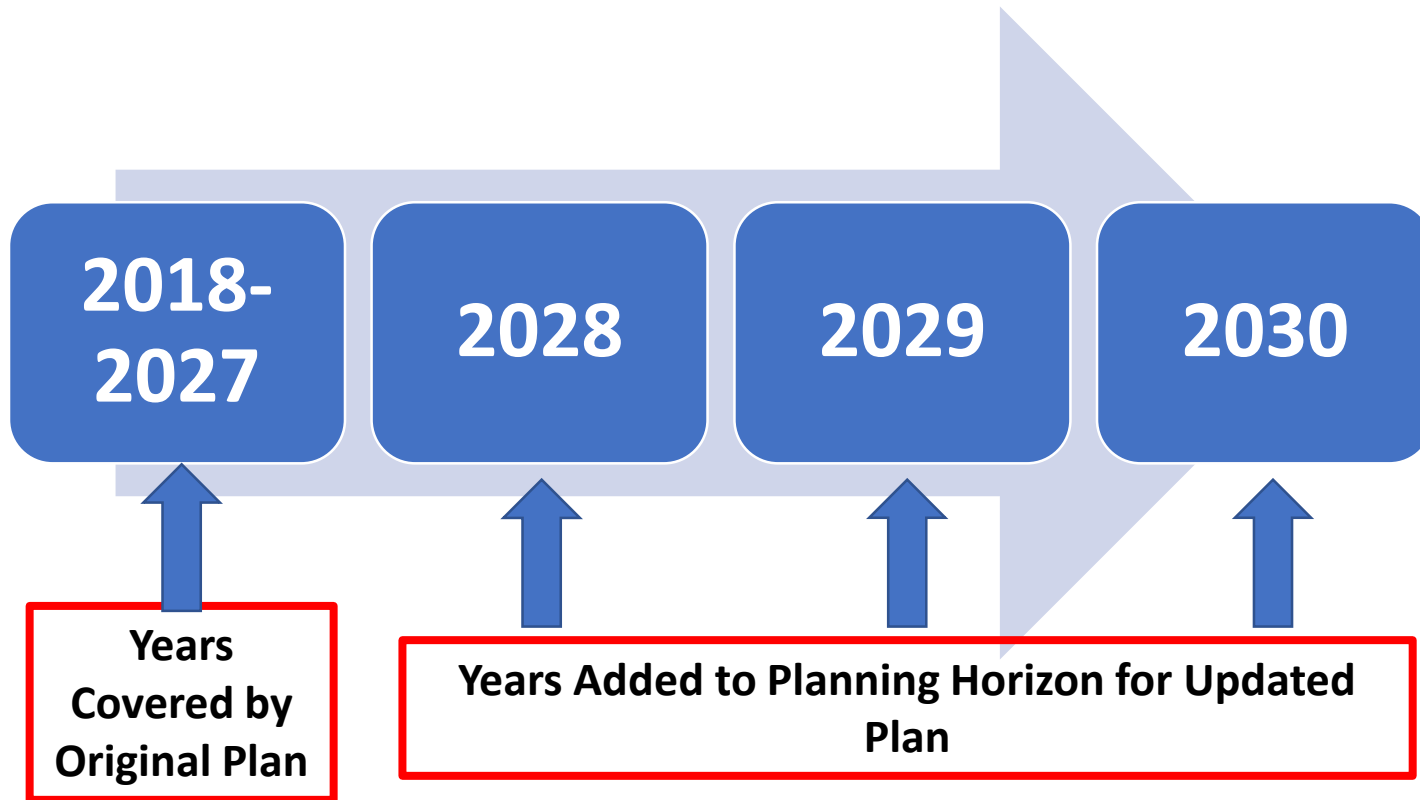
Bret Martin, CAMPO Staff

Why Update Now?

- **Better Information on Major Capital Investments**
- **10-Year Plan Requires More Frequent Extension of Planning Horizon**
- **Better Sync Transit Plan with Regional Multimodal Metropolitan Transportation Planning Process**
- **Discuss Community Priorities to Extend Investment Focus for 2027-2030**



Extending the Wake Transit Plan Horizon



Updated Task Schedule

October-
February

Refine
Costs/
Schedule



October-
December

Transit
Market



Early 2020

Financial
Capacity



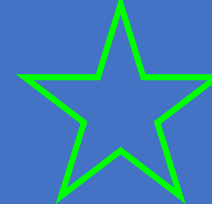
Early 2020

Choices and
Tradeoffs



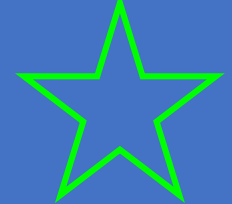
Mid 2020

Develop
and
Evaluate
Alternatives



Late 2020

Select
Preferred/
Final
Alternative



Plan Update Process

A large blue arrow pointing to the right, spanning the width of the diagram below the task boxes.

Updated Engagement Schedule



Findings to Date – Major Capital Cost/Schedule Refinement

Commuter Rail

- Originally assumed implementation schedule delayed
- Waiting to receive cost/schedule results from AA update
- Peer review shows lots of risk for schedule delay

Bus Rapid Transit

- Costs are higher than originally assumed
- Originally assumed implementation schedule delayed but still within first 10 years
- Assuming refined New Bern cost and MIS alternative costs
- Peer review shows project development/design took longer than expected

November 6th Stakeholder Open House

Wake County Stakeholders Meeting - November 6, 2019

Thought Cloud Exercise - Comments

What else were you hoping to see today?	Do you have any questions that were not answered?	What other information would you like us to provide?	Other
More connection points on the maps to understand what existing routes the new ones will connect with	Are you considering the impact of autonomous vehicles on need for/scale of park and ride infrastructure and station design?	More information about commuter rail feasibility study process	Transit Team is doing a great job! Thank you!
Affordability and diversity of housing types along the routes and near stations	Will there be an event like this open to the public?	Same event for public	It was awesome! I truly appreciated getting to speak with the smaller municipalities
Several of the community funding area municipalities have urbanized and grown in population/transit propensity significantly since 2012 and I would love to see more service these areas		More opportunities to get all project sponsors together with their information	The boards would pop if walls finished - walls distracting, drape with material for public presentation. I like the tables for agencies but what about one consolidated board that shows regional profiles - new routes, new service
		Need a way to get constant project updates	Reach out to local news editorial boards
		CFA program interest - maybe media blast	Reuse these materials - share with public
		Changes that have been made so far to existing routes	Plan to bring new elected officials up to speed in the Spring
		Was helpful for all staff to hear update - have talking points going forward to share with others	Helpful to walk through with council members with out getting into the weeds
		Want to learn more about interactive dashboard idea from presentation	Nice to see what other CFA programs are doing
		This should be a public event. I think a lot of question would be answered at one time with all towns, cities, etc in one place	
		Make print version of timeline to show at office	



More connection points on the maps
to understand what existing routes
the new ones will connect with

Reuse these materials - share with public

Plan to bring new elected officials up to
speed in the Spring

More opportunities to get all project sponsor
together with their project specific information

Are you considering the impact of autonomous vehicles on need for/scale of park and ride infrastructure and station design?

- Same event for public
- Reuse these materials - share with public
- Will there be an event like this open to the public

Need a way to get constant project updates

Want to learn more about interactive dashboard idea from presentation

V. Wake Transit Vision Plan Update – Status Report

Requested Action: Receive as information

VI. Structured Review Process for Project Activity and Expenditure Monitoring

Bret Martin, CAMPO Staff

Attachment B

VI. Structured Review Process for Project Activity and Expenditure Monitoring

Requested Action:

Consider endorsing the “Structured Review Process for Project Activity and Expenditure Monitoring” as provided in Attachment B

VII. Greater Triangle Commuter Rail Alternatives Analysis Update

Shelley Blake Curran, GoTriangle
Bret Martin, CAMPO

GO FORWARD

A COMMUNITY INVESTMENT IN TRANSIT

Greater Triangle Commuter Rail Study
November 2019 Update



Greater Triangle Commuter Rail Study



Update of Alternatives
Analysis and Further Study

Study Area:

Mebane to Selma

Existing Rail Corridor

Freight Rail – Heavy Rail

- Freight operation constitutes the movement of goods and cargo in freight rolling stock (e.g., boxcars, flatcars), which are typically hauled by diesel-powered locomotives.
- The North Carolina Railroad Company (NCRR) owns the 317-mile corridor and Class I freight rail provider Norfolk Southern operates and maintains the railroad through a long-term lease with NCRR



Intercity Rail – Heavy Rail, Shared Track

- Intercity transit mode services covering longer distances than commuter or regional trains
- The main provider of intercity passenger rail service in the U.S. is Amtrak
- Four intercity passenger service routes run on the North Carolina Railroad including the Carolinian and the Piedmont which are sponsored by NCDOT



The North Carolina Railroad is built for the service it currently offers

Added capacity, including commuter rail, would require additional infrastructure, including added tracks

Current Study (2019)

- Service Scenarios
- Capacity Constraints and Improvements
- Capital and Operating Cost Estimates
- Ridership and Revenue Estimates



Study Outcomes

The purpose of this study is to give decision-makers the analytical data needed to decide whether there is a project the partners feel comfortable moving forward to the next phase of development.

Current Activities

- Key Deliverables
 - Infrastructure Recommendations
 - Travel Demand Modeling
 - Cost Estimates – Capital and O&M
- Remaining Activities
 - Technical Review
 - Iteration and Refinement

Current Activities

- Initial Risk Assessment
 - Overall Project Delivery Risks
 - Jurisdiction-Specific Cost, Scope, Schedule Risks
- Agreements Workplan
 - Railroad Agreement Framework
 - Other critical third parties

Next Steps



- Presentations to Boards
 - Target: January/February 2020
- Railroad Capacity Modeling
- Conceptual Engineering for High Priority/Key Risk Areas
- Community Engagement Planning

VII. Greater Triangle Commuter Rail Alternatives Analysis Update

Requested Action:

Receive as information

**VIII. Wake Bus Rapid Transit (BRT)
and
IX. Equitable Development Around
Transit (EDAT) Updates**

Mila Vega and Het Patel, Raleigh

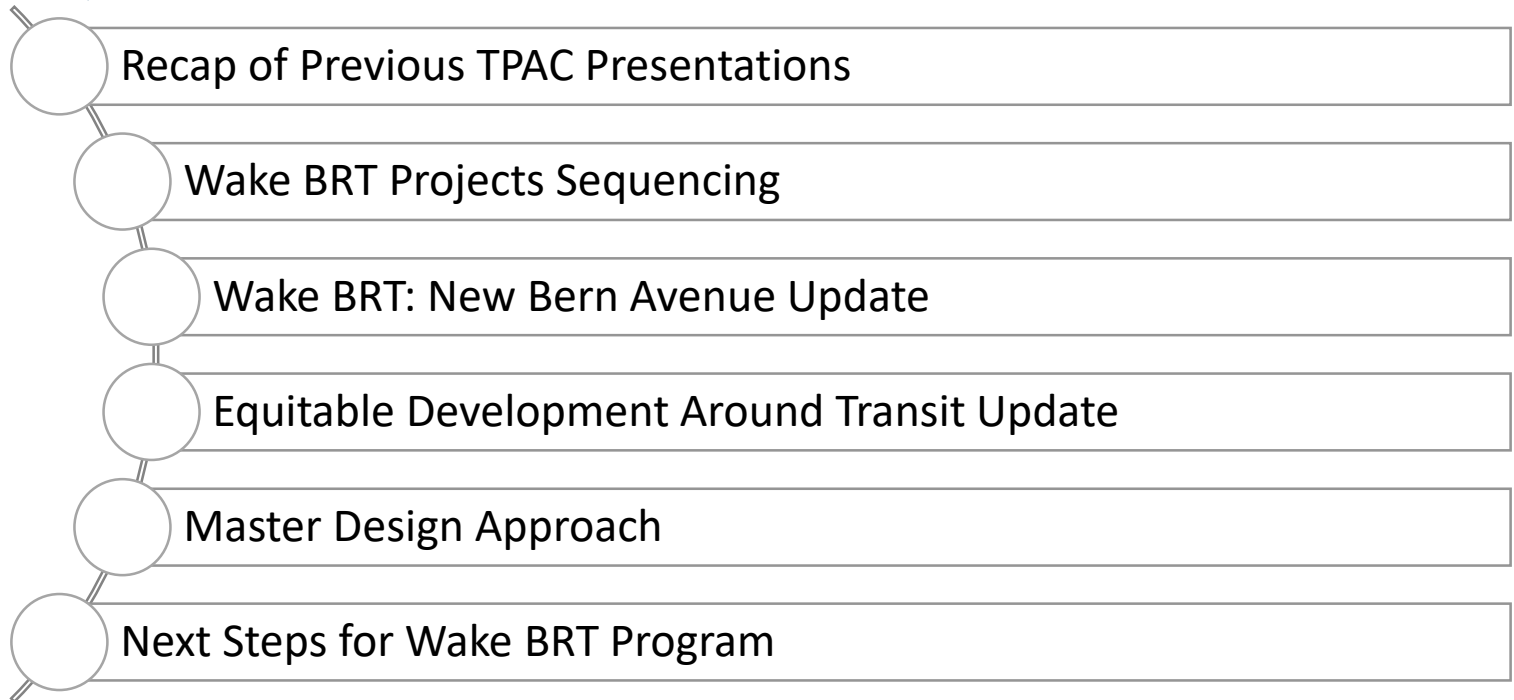


Wake BRT Program Update

*Transit Planning Advisory Committee (TPAC) – November Meeting
11.13.2019*

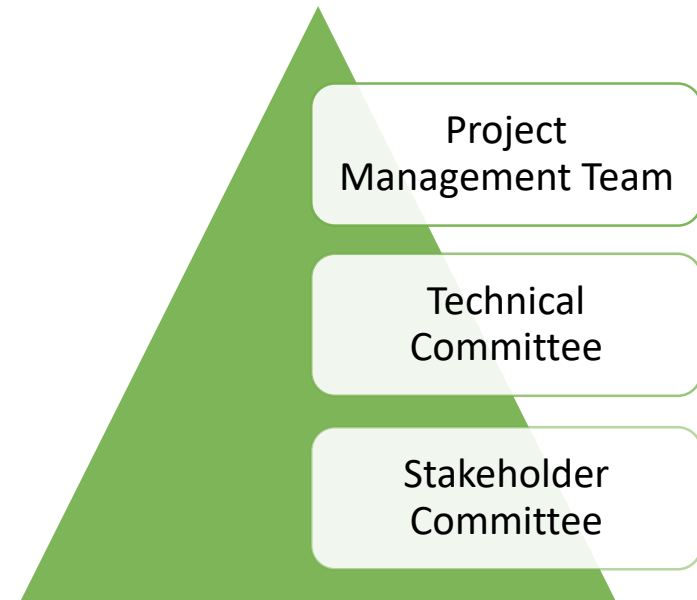


Agenda / Presentation Overview

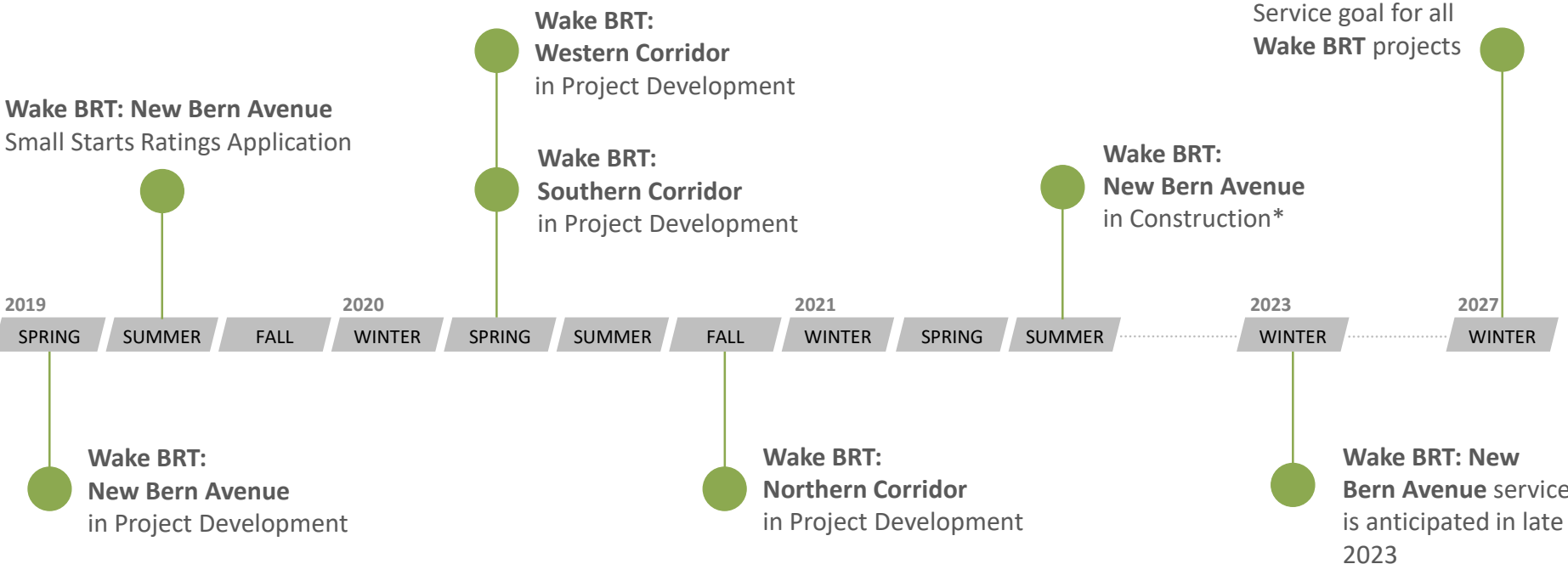
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- Recap of Previous TPAC Presentations
 - Wake BRT Projects Sequencing
 - Wake BRT: New Bern Avenue Update
 - Equitable Development Around Transit Update
 - Master Design Approach
 - Next Steps for Wake BRT Program

Recap of Previous Updates to TPAC

- June Regular Meeting Presentation
- BRT Committees Structure
 - *Project Management Team (PMT)*
 - *Technical Committee (TC)*
 - *Stakeholder Committee*
- Discussed project sequencing
- BRT related studies
 - *Equitable Development Around Transit (EDAT)*
 - *Raleigh Downtown Transportation Plan*



Wake BRT Projects Sequencing



* Depending on Small Starts Grant Ratings and Funding Grant Agreement in Fall 2020

Wake BRT: Western

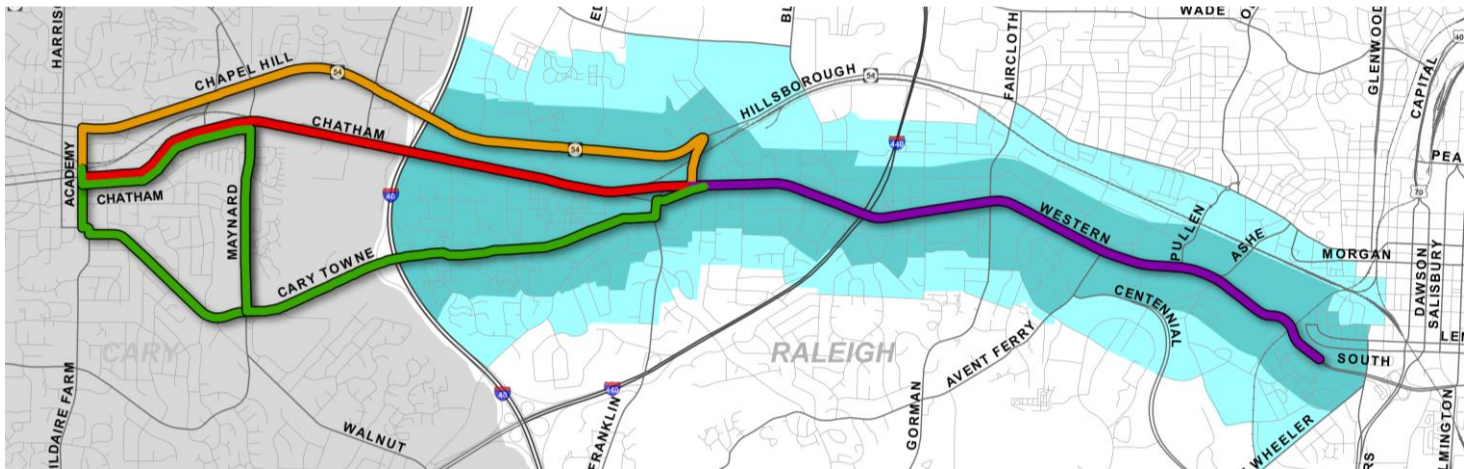
Wake BRT: Western Boulevard Corridor Study – in progress

Purpose

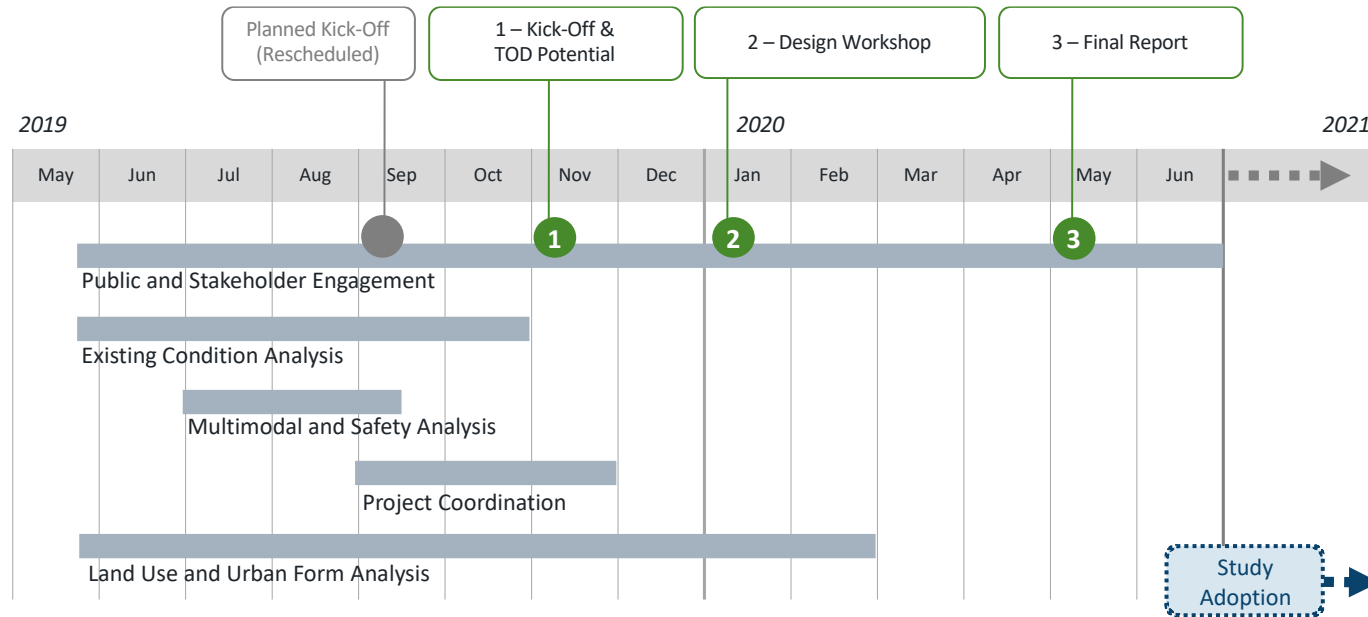
Find the best way to integrate BRT along Western Boulevard to connect Downtown Raleigh, Dorothea Dix Park, NC State University, Downtown Cary, and all destinations along the corridor.

Goals

- Identify preferred BRT alternative alignment
- Understand future development potential
- Develop land use strategies
- Address safety and traffic concerns by coordinating with other planned infrastructure projects



Wake BRT: Western



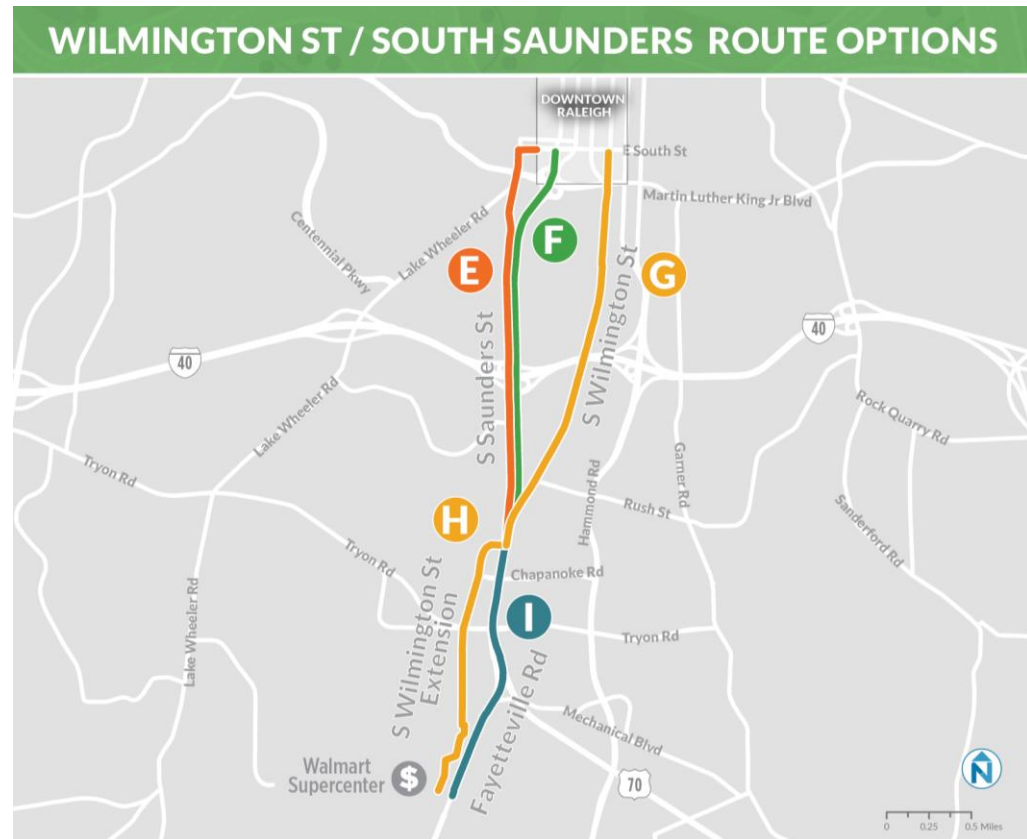
**Note: additional pop-up meetings will be hosted.*

Locally Preferred Alternative (LPA) Development Target Timeline

- Present all alternative alignments at November 12th public meeting
- Comment period and project coordination through December 2019 – March 2020
- Consider adoption of the recommended LPA in Spring of 2020 (Raleigh and Cary coordination)

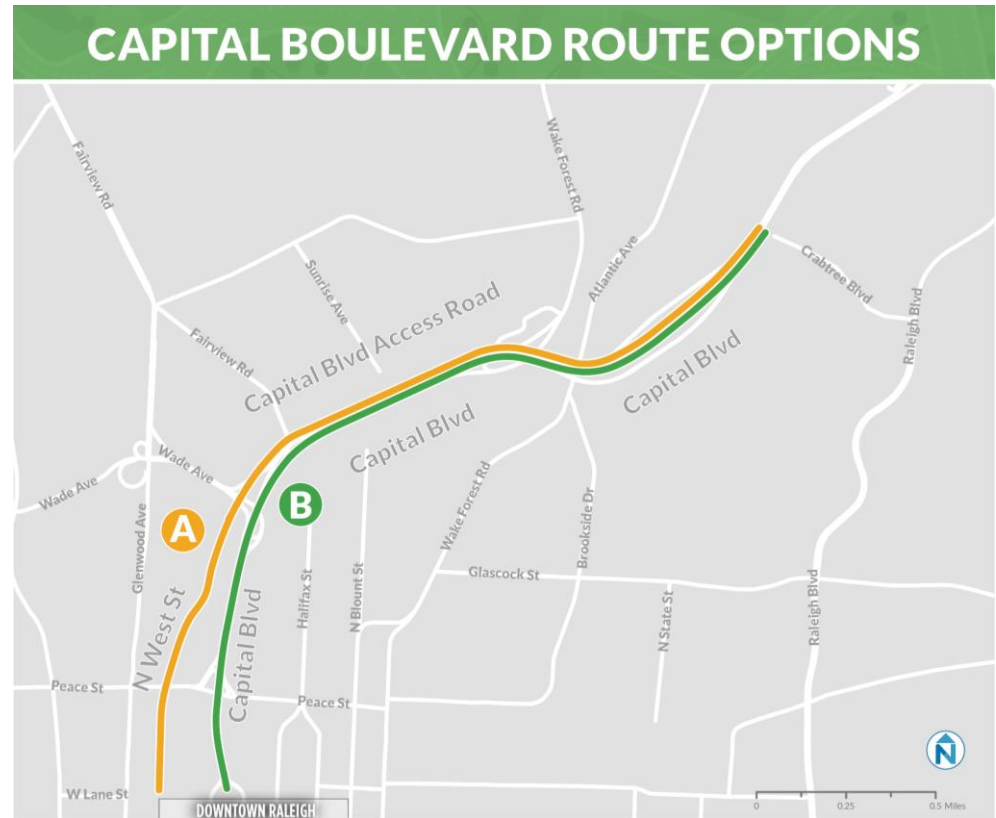
Wake BRT: Southern

- Currently working on Scope of Services for Locally Preferred Alternative
- Coordination with Town of Garner
- Target LPA timeline for 2nd Quarter of calendar year 2020
- Goal to kick-off public engagement in early 2020








Wake BRT: Northern

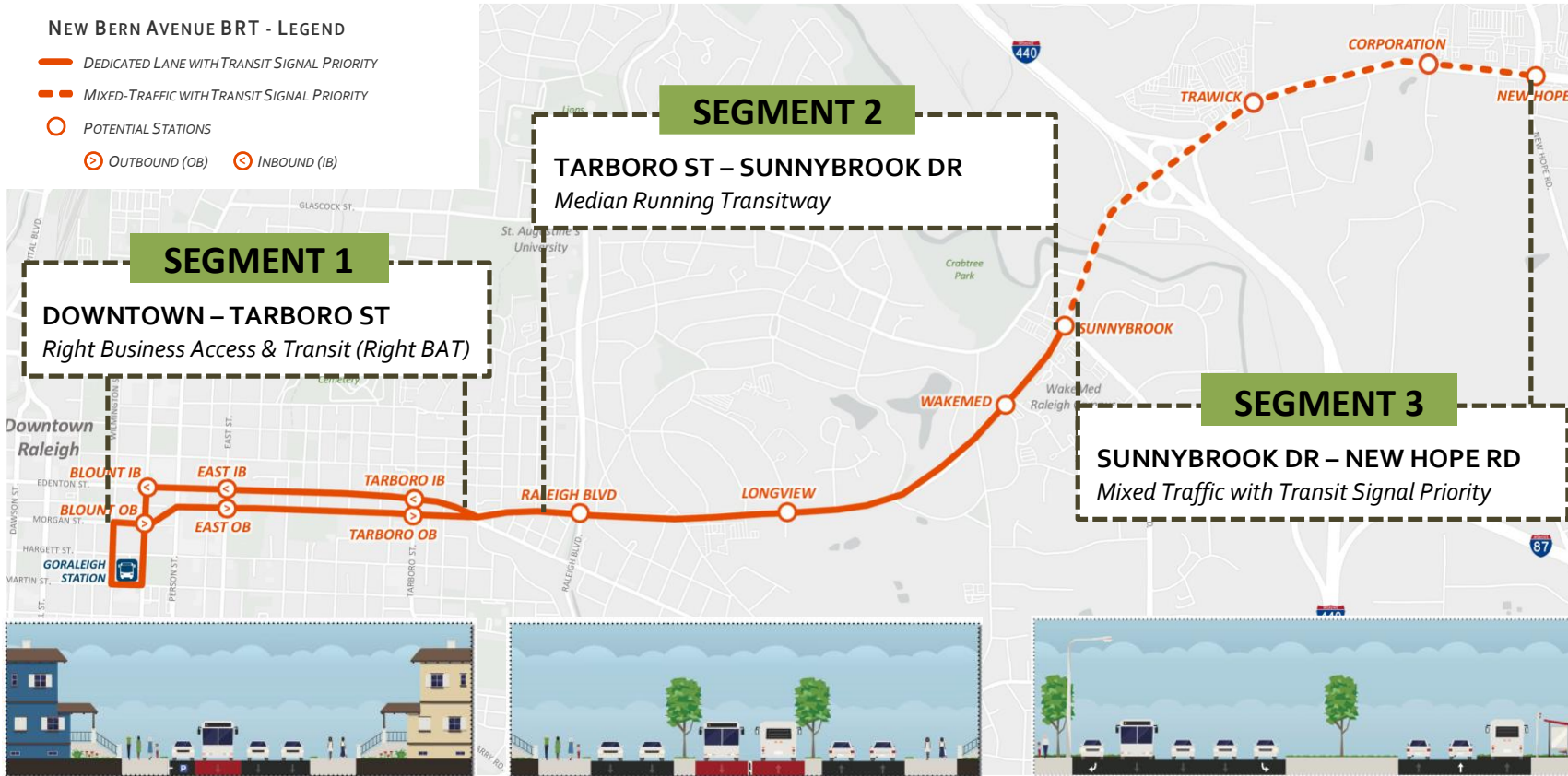
- Initial scoping for pre-planning work and review of alignments
- Target timeline to enter Project Development is Fall 2020



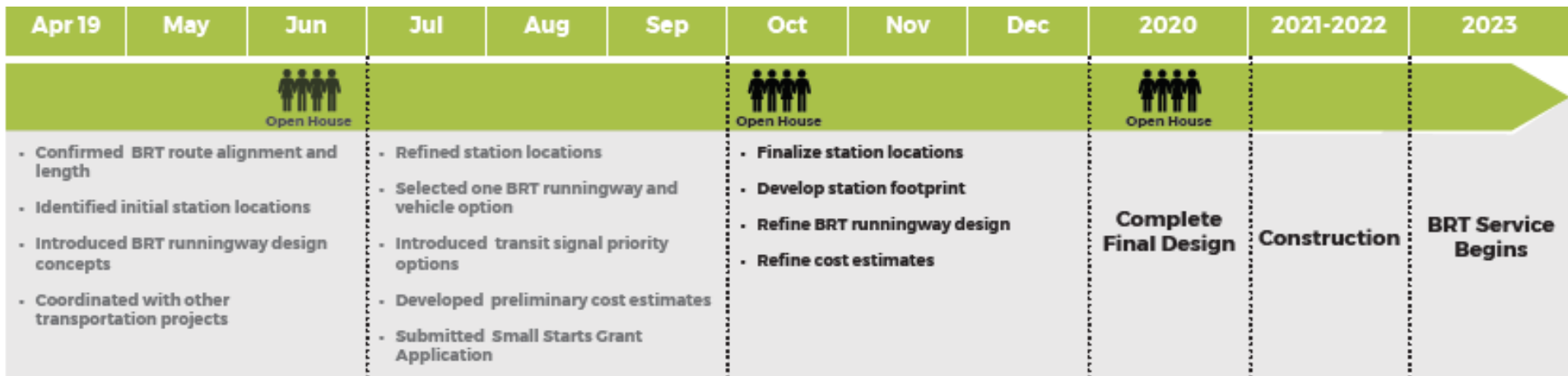
Wake BRT: New Bern Avenue

NEW BERN AVENUE BRT - LEGEND

-  DEDICATED LANE WITH TRANSIT SIGNAL PRIORITY
-  MIXED-TRAFFIC WITH TRANSIT SIGNAL PRIORITY
-  POTENTIAL STATIONS
-  OUTBOUND (OB)
-  INBOUND (IB)



Wake BRT: New Bern Avenue - Schedule



Design Open House (June 25th) – Statistics

Purpose of Meeting:

- Educate the community on the benefits of BRT
- Present preliminary station locations and BRT design concepts
- Receive public input

Attendance & Feedback:

- 124 Attendees
- 27 Comment Forms
- 26 Comment Wall Activity Comments

Online Survey:

- July 2nd – July 23rd
- 557 Participants
- 37 Subscribers



Design Open House (June 25th) – Themes

- Excited about **bus only dedicated lanes**, specifically the transitway section.
- Excited about **faster, efficient and reliable service**.
- Concerns about **bicycle infrastructure** or lack thereof and **pedestrian safety**.
- Concerns about enforcement of bus only lanes.
- Questions about pedestrian access to BRT station areas.



Design Open House (October 29th) – Structure

- 70+ people in attendance
- Information Boards
 - Bike-Ped Amenities, Traffic/Access Modifications, Access to Stations, ADA Design, etc.
- Community Wall Activities
 - Station Amenities
 - Citrix Cycle Station Locations
- Tables for Related Projects
 - Equitable Development Around Transit
 - Western Boulevard Corridor Study
 - New Bern Avenue Pedestrian Improvements Projects
 - City of Raleigh – Neighborhood and Housing and Economic Development
- On-line Survey - <https://publicinput.com/5805>
 - Active until December 3, 2019

Equitable Development Around Transit (EDAT)

How to maximize transit investment benefits in Raleigh?

- Consider the share of growth that should occur near BRT
- Plan for sharing the benefits of BRT equitably across the city
- Plan for the areas around BRT stations



EDAT October Workshops

Workshop 1: Affordability and Equity

Saturday October 12

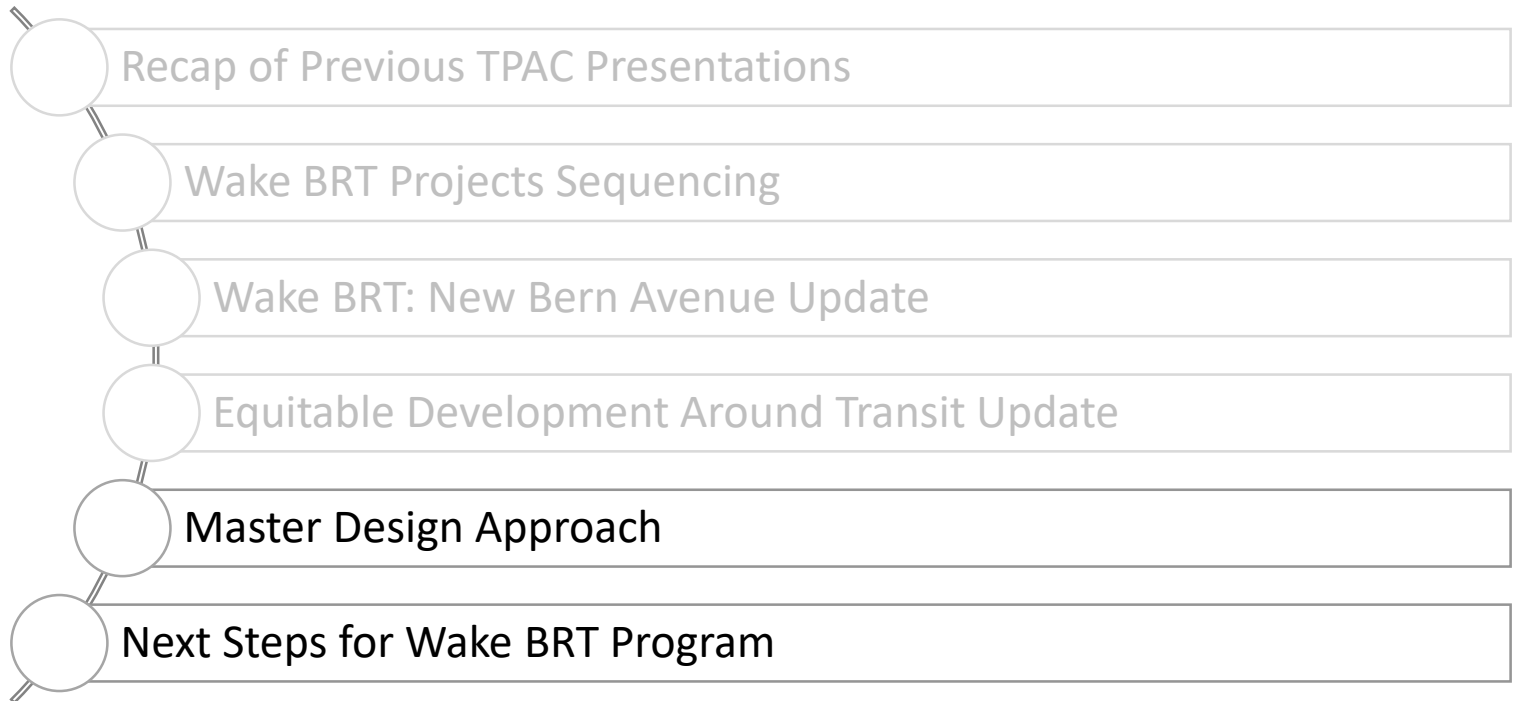
- What does an equitable community look like?
- How important is it to ensure affordable housing exists near BRT station?

Workshop 2: Growth Around Transit

Saturday October 26

- How much of Raleigh's anticipated growth should be focused around BRT?

Agenda

- 
- Recap of Previous TPAC Presentations
 - Wake BRT Projects Sequencing
 - Wake BRT: New Bern Avenue Update
 - Equitable Development Around Transit Update
 - Master Design Approach**
 - Next Steps for Wake BRT Program**

Existing Contract – WSP

- 30% Design, NEPA and TOD for all four (4) corridors
- New Bern Avenue
 - Complete by March 2020
- Southern Corridor
 - Beginning LPA Selection Study
 - LPA selection in Spring 2020
- Western Corridor
 - Western Boulevard Corridor Study ongoing
 - LPA selection in Spring 2020
- Northern Corridor – will begin looking at LPA in Fall 2020

Upcoming Procurement – Professional A&E Services

- Similar approach to 30% Design, NEPA and TOD selection
 - Selection Committee Structure
 - Review Process / Interviews
- Target dates:
 - Publish RFQ – Mid November 2019
 - Pre-submittal conference – Early December 2019
 - Submittals due – Early January 2020
 - Review process – Mid January to February 2020
 - Consultant selection – March 2020

Wake BRT: New Bern Avenue – Final Design

Wake BRT System Design

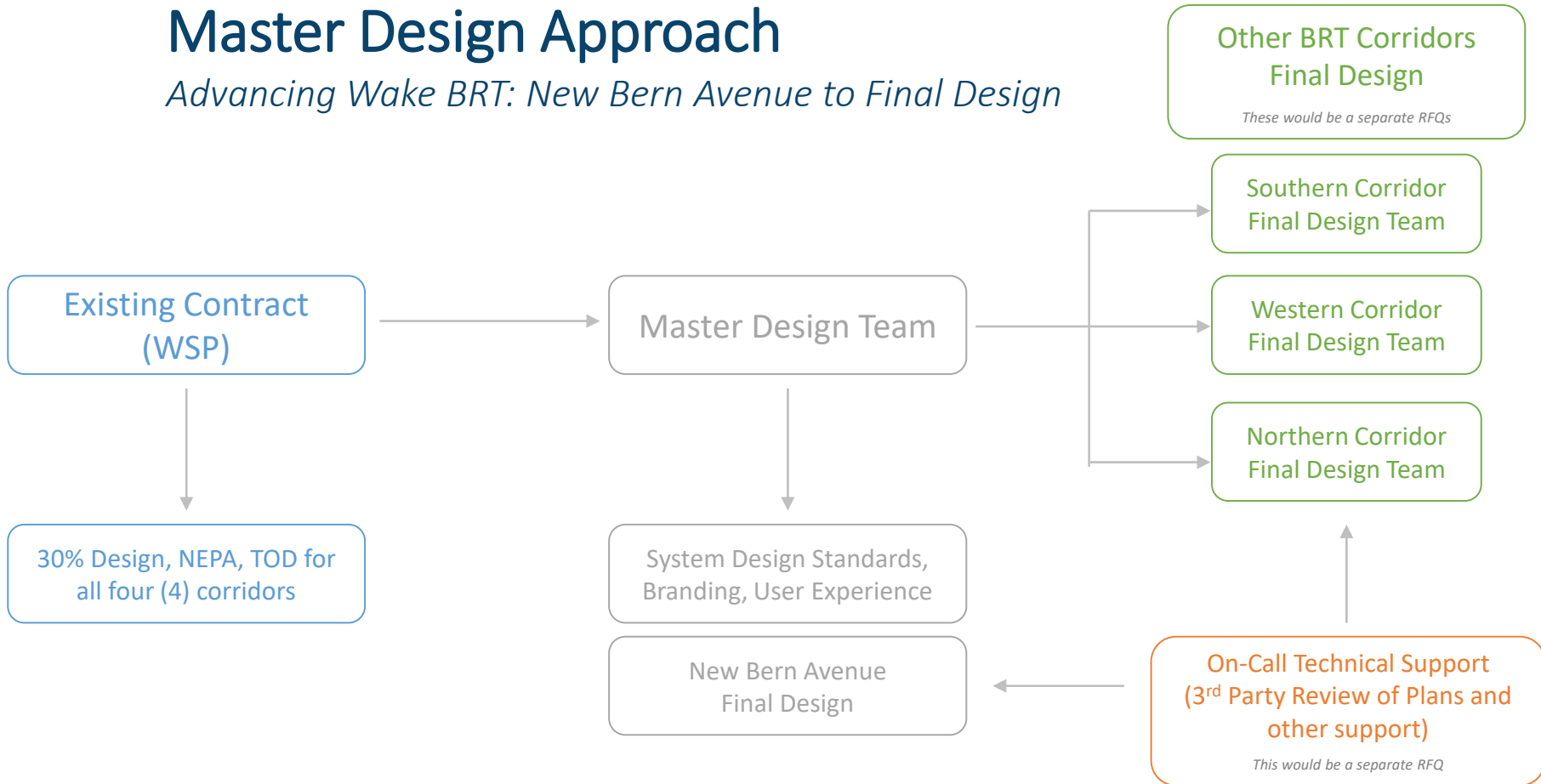
- **Design Standards**
 - *Station Typologies / Structures*
 - *Site-Specific Design*
 - *ADA / Access Standards*
 - *Bike-Ped / Complete Streets*
 - *Kit of Parts / Structures*
- **Branding**
 - *Identity / Placemaking*
- **User Experience**
 - *Customer Experience*
 - *Employee Experience*
 - *Station Wayfinding / Access*
 - *Prototyping*
- **Art Integration**
 - *Type / Area of Application*
- **Marketing / Communications**
 - *Community Engagement*
 - *Stakeholder Outreach*
 - *Consensus Building*
 - *Public Relations*
- **Safety & Security**
 - *Infrastructure Specifications*
- **Technology/Innovation**
 - *Infrastructure Specifications*

Wake BRT: New Bern Avenue

- **Final Design (100%)**
 - *Transit Runningway Design*
 - *Roadway Design*
 - *Signal Design*
 - *Stormwater Design*
 - *Crosswalks / Bike-Ped Design*
 - *Structures / Vertical Elements*
 - *Construction Plans*
 - *Utilities / Fiber*
- **Phasing / Implementation**
 - *Corridor Phasing Strategy*
 - *Federal Process*
 - *Implementation Timeline*
- **Safety & Security**
 - *Cameras*
 - *Lighting*
- **Agency Coordination**
 - *NEPA Documentation*
 - *FTA Coordination*
 - *NCDOT Coordination*
- **Cost Estimates**
 - *Design Cost Estimate*
 - *Construction Cost Estimate*

Master Design Approach

Advancing Wake BRT: New Bern Avenue to Final Design



Next Steps

- | | |
|--|----------|
| ✓ FTA Project Development Acceptance for New Bern: | COMPLETE |
| ✓ Wake BRT: New Bern Avenue LPA defined: | COMPLETE |
| ✓ New Bern Avenue BRT Federal Application: | COMPLETE |
| ✓ Raleigh BRT: EDAT Open House (Affordability & Equity): | COMPLETE |
| ✓ Raleigh BRT: EDAT Open House (Growing Around Transit): | COMPLETE |
| ✓ Wake BRT: New Bern Avenue Design Open House: | COMPLETE |
| ✓ Wake BRT: Western Boulevard Corridor Study - Kick Off | COMPLETE |
- Continue to advance design for Wake BRT: New Bern Avenue
 - Continue to work towards LPA selection for Southern and Western BRT corridors

Questions?

 [@GoRaleighNC](https://twitter.com/GoRaleighNC)

 [Facebook.com/goraleighnc](https://www.facebook.com/goraleighnc)

[Raleighnc.gov/BRT](https://www.Raleighnc.gov/BRT)

VIII. Wake Bus Rapid Transit (BRT) and IX. Equitable Development Around Transit (EDAT) program Updates

Requested Action:

Receive as information

X. Fare Working Group Update

Nicole Kreiser, Wake County



November 13, 2019
TPAC Meeting

Fare Work Group Update

- Fare Work Group Originally Formed Fall 2017; Developed Youth GoPass Work Plan Request, Designed Youth GoPass Program
 - Successful collaboration amongst GoRaleigh, GoTriangle, GoCary, and Wake County to design program operations, distribution of passes, and messaging and marketing
- Work continued as a sub-task of Wake Bus Plan to develop Fare Strategy
 - Unified recommendations for fixed route fares, including mobile ticketing and fare capping

Fare Work Group Update – Work Underway on Work Plan List Shared with TPAC

- Mobile Ticketing, Fare Capping, and GoPasses
 - RFP and ILA for mobile technology vendor, vendor selection
 - Development of contracting methodology operating and capital costs by provider for mobile ticketing technology
 - Business rules for fare capping, working together to develop rules to simplify the rider experience amongst all transit providers
 - Beginning to discuss Employer GoPasses and how program will work with mobile technology
 - In depth conversations allow all providers to work together for a more streamlined and coordinated implementation.
 - When ready to implement, will share with PE&C for feedback on implementation messaging and communication. Current work is still very much in technical development phase.
- Working to refine fare estimates done as part of Wake Bus Plan
 - Ridership estimate, plus average fare, by route to determine long term fare projection
 - Will update “hold-harmless” methodology of implementing Fare Strategy
 - Information will be shared with TPAC Budget and Finance and P&P as part of update of Financial Model and potential budget amendment (dollars are currently held in reserve)

Fare Work Group Update

- Youth GoPass
 - Reviewing program operations (since one year of operation under belt) to ascertain what is working and what can be improved
 - Preparing Youth GoPass for mobile technology
- Fare Work Group continues to meet to “operationalize” Wake Transit Work Plan projects.

X. Fare Working Group Update

Requested Action:

Receive as information

Subcommittee Chair Reports

Budget & Finance

Subcommittee Chair Reports

Planning & Prioritization

Subcommittee Chair Reports

Process

Subcommittee Chair Reports

Public Engagement & Communications

XII. Other Business

New and Old Business

XII. Other Business

TPAC Member Discussion

XII. Other Business

Next Steps

XIII. Adjourn

Next Meeting:
December 11, 2019, 9:30am