

**Wake County Board of Commissioners
Growth, Land Use, and Environmental Committee
October 9, 2017
10 a.m.
Wake County Justice Center, Room 2800**

Commissioners Present:

John Burns-Chair
Sig Hutchinson-Vice Chair
Matt Calabria

Wake County Staff Present:

Joseph Threadcraft, Environmental Services Director; Michael Orbon, Water Quality Director; Frank Cope, Community Services Director; Ken Murphy, Deputy County Attorney; Chris Dillon, Assistant County Manager; David Ellis, Deputy County Manager; Tim Maloney, Planning Development & Inspections Director; Tim Gardiner, Planner III; Sharon Peterson, Long Range Planning Administrator; Chris Snow, Parks, Recreation and Open Space Director; Bryan Coates, Planner III; Nicole Kreiser, Assistant County Manager; Jennifer Heiss, Communications Specialist; Jason Horton, Community Services Manager; Eric Staehle, Senior Facilities Project Manager; Dale Threath-Taylor, Conservation District Administrator; Denise Hogan, Clerk to the Board; and Michelle Cerett, Executive Assistant.

Meeting Called to Order

Commissioner Burns called the meeting to order at 10:00 a.m.

Approval of the Minutes

Commissioner Hutchinson moved, seconded by Commissioner Calabria, to approve the Growth, Land Use, and Environmental Committee minutes of the May 8th, 2017 meeting. The minutes were approved unanimously.

Wake County Comprehensive Plan

Mr. Tim Maloney, Director, Planning Development Inspections, provided an overview of today's topics. Mr. Maloney said a consultant RFP will be released soon for the Wake County Comprehensive Plan and he would like to make sure the committee is in agreement prior to the release.

Mr. Maloney said the county has never had a comprehensive plan. He also said staff is working with partner agencies to leverage additional funding for the plan.

Mr. Tim Gardiner, Planner III, presented the existing conditions of the current county plans.

- Land Use Plan with solid but high level goals
- Area Plans with differing levels of sophistication/ applicability
- Separate Transportation Plan
- Other plans

Mr. Gardiner shared the known issues with the current plans.

- Old Plans
- Plans not integrated
- Goals not tied to strategic actions
- Policies not linked to allow consistency across the agency and across agencies

Mr. Gardiner shared the high level goals of this effort.

- Create goals in key “Topic Areas”
- Test the community’s perspectives on some “Big Questions”
- Set policies when ready and establish clear next steps when not

Ms. Sharon Peterson, Long Range Planning Administrator, shared poll responses from a recent survey that was done to gather information for the plan.

Wake Comp Plan RFP Focus Areas Surveys Findings

22 RESPONSES*

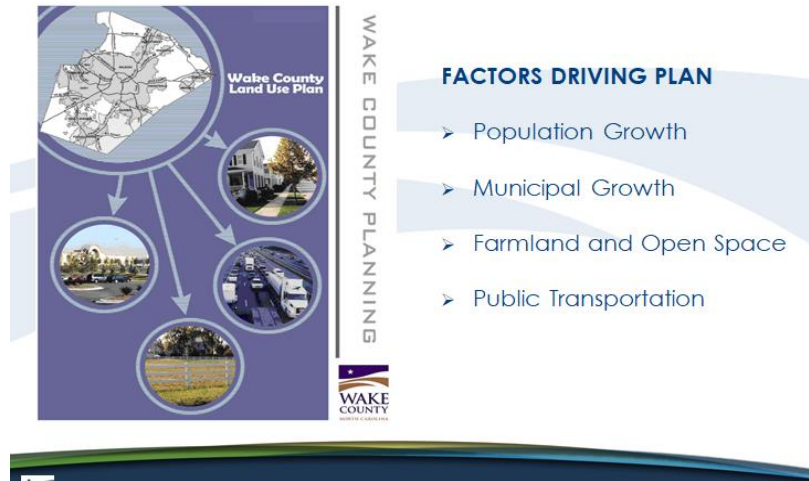
☐ 7 Planning Board Members

☐ 15 Municipal & County Planners

*Note – Some respondents did not answer all questions

Ms. Peterson shared the current land use plan and the factors driving the plan.

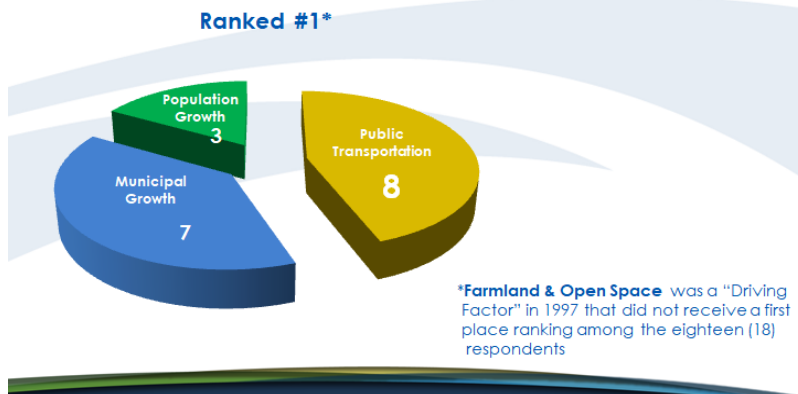
Wake County Current Land Use Plan



Ms. Peterson shared information on individual questions that were asked on the survey.

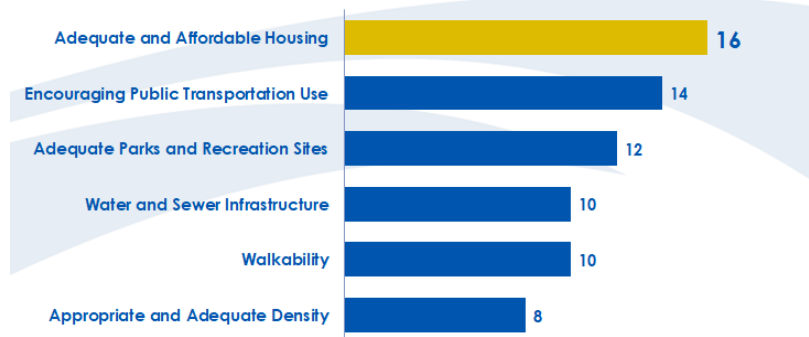
Question 1

Rank the **1997 "DRIVING FACTORS"** in the order of most importance to you in **2017**



Question 2

Top 6 emerging issues to address in new Wake Comp Plan



Question 3

2 or 3 other factors you see emerging within the next 10 years

“KEYWORDS & KEYPHRASES”



Question 4

“FAMILIARITY” With Current County-wide Initiatives



Ms. Peterson shared some questions the Planning Board had when they reviewed the plan.

1. Give us your perspective on how we should balance community goals with property rights.

Preferences

Balance community goals with property rights

2. How should we balance community goals with development costs?

Preferences

Both are important – higher priority: community goals

Ms. Peterson shared additional questions that were asked and their corresponding answers.

1. What new policies can Wake County use to achieve higher densities and a wider range of land uses?

Among Responses

Incorporate Transit Plan corridors into the updated land use plan

2. Cite the challenge(s) of planning for future growth in your urban services area while development is rapidly occurring in your municipal jurisdiction.

Among Responses

Overwhelming development can result in responsive rather than pro-active planning

Ms. Peterson shared what the Planning Boards expectations are for today's meeting.

- Perspectives on Key “Topic Areas”
- Ideas on the “Big Questions”
- Look for the Next Steps...

Commissioner Burns asked if staff should be looking at plans that are for future sub developments during this process. Mr. Maloney said that has been discussed and policies have been updated to require consideration of future sub developments.

Commissioner Portman suggested looking at all the municipal plans to determine what the county can do to assist the municipalities in providing services.

Mr. Maloney said one of the biggest issues is people are building bigger houses, which is limiting their space for a septic system.

Mr. Bryan Coates, Planner III, said over the last five years, staff has requested easements for utilities when a new sub-division is being proposed. He said this has been helpful and a simple process.

Commissioner Hutchinson said the county is going to double in size in coming years and it is important to consider that when creating this plan. He also said affordable housing and healthy communities need to be considered.

Mr. Maloney said staff will be looking at how other states and jurisdictions have implemented a comprehensive plan. Commissioner Burns suggested looking at Canada as well.

Commissioner Burns said he is concerned that open space will not be preserved properly.

Commissioner Calabria said open space is a very important issue and needs to be looked at closely.

Mr. Maloney shared the proposed schedule for developing the plan.

Now – Nov 2017 –	Frame the Study
Nov 2017 – Dec 2017 –	Select the Consultant
Jan 2018 – May 2018 –	Ask the Big Questions
May 2018 – Sep 2018 –	Verify the Policies
Nov 2018 –	Final Plan (This Phase*)

Triangle Bike Way

Mr. Chris Snow, Wake County Parks, Recreation and Open Space Director, said that the I-40 corridor is the most congested in the region.

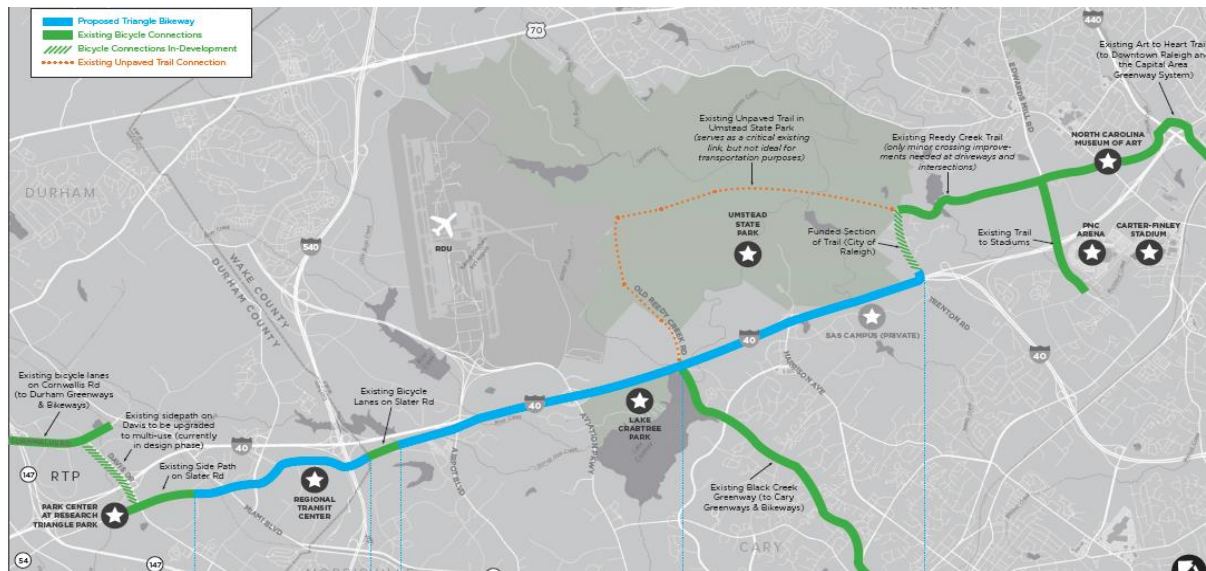


He shared the potential solutions for congestion.

- Keep pace with demand
 - Additional lanes
 - Managed lanes
 - Improved regional bus service

Mr. Snow said an additional solution would be a bike commuter route. Mr. Snow said this concept has been in the transit plans for Wake County and surrounding regions for several years. Mr. Snow said the Commissioners approved a funding agreement in May with Capital Area Metropolitan Planning Organization (CAMPO) to complete a feasibility study, which has been completed.

He shared a concept map for a bike commuter route.



Mr. Snow said staff is meeting with all those involved and everybody has agreed to move forward with creating the comprehensive plan.

Mr. Snow said there is a potential for additional funding through CAMPO. He shared information on potential funding for FY 2019 from Locally Administered Projects Program (LAPP).

- Locally Administered Projects Program (LAPP)
 - Approximately \$6 million to award for the FY 2019 funding cycle
 - Grant applications are due October 31, 2017
 - Design between Lake Crabtree and the Wake/Durham County line
 - Estimated cost for design = \$1,276,080
 - CAMPO's minimum 20% match = \$255,216
 - Very competitive - projects with design as a single component do not score as well
 - Proposing a 25% match, or \$319,020 to increase the odds of receiving funding.

Source of Funds	Amount
CAMPO LAPP Grant Award	\$957,060
County Match	\$319,020
Total	\$1,276,080

He also shared information about approximately \$70 million that is expected to be awarded for FY's 2022 & 2027 from the Strategic Transportation Prioritization (SPOT).

- Strategic Transportation Prioritization (SPOT)
 - Approximately \$70 million to award for the FY 2022 & FY 2027 funding cycles
 - 5 year cycle
 - Design, acquire right-of-way and construction between Raleigh's Reedy Creek Greenway in the east (Trenton Road) and Lake Crabtree County Park.
 - Estimated cost for design = \$16,259,760
 - CAMPO's minimum 20% match = \$3,251,951

Source of Funds	Amount
CAMPO LAPP Grant Award	\$13,007,809
County Match	\$3,251,951
Total	\$16,259,760

Mr. Snow shared the preliminary cost estimates for the three phases of the bike commuter route.

Triangle Bikeway - Bike Highway
Phase - Old Reedy Creek Road to I-540
Preliminary Cost Estimate

<u>Route Detail</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>	<u>Notes</u>	<u>Potential Funding</u>
3.3 miles of southside route	17,424	\$378.79	\$6,600,000.00	Includes grading, minor drainage and retain walls	
Boardwalk over Crabtree Lake	400	\$750.00	\$300,000.00		
Aviation Parkway Crossing (at grade)	1	\$30,000.00	\$30,000.00	Signal improvements, crossing striping, signage, etc.	
Boardwalk over wetland	1600	\$750.00	\$1,200,000.00		
Airport Boulevard Crossing (at grade)	1	\$30,000.00	\$30,000.00	Signal improvements, crossing striping, signage, etc.	
boardwalk over drainage outfall	200	\$750.00	\$150,000.00		
Slater Road bridge	350	\$200.00	\$70,000.00	Improvements to bridge for cycling	
Subtotal			\$8,380,000.00		
ROW Acquisition	871,200	\$1.25	\$1,089,000.00	Assumes 50 foot right of way	
Subtotal			\$9,469,000.00		
PS&E			\$946,900.00	Surveying, engineering, permitting	CAMPO LAPP
Subtotal			\$10,415,900.00		
Contingency 20%			<u>\$2,083,180.00</u>		
Grand Total			\$12,499,080.00		

Triangle Bikeway - Bike Highway
Phase - Art Museum to Old Reedy Creek Road
Preliminary Cost Estimate

<u>Route Detail</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>	<u>Notes</u>	<u>Potential Funding</u>
2.6 miles of southside route	13,728	\$378.79	\$5,200,000.00	Includes grading, minor drainage and retain walls	
Driveway and signal upgrades from Edwards Mill to Art Museum	1	\$50,000.00	\$50,000.00	Minor improvements over existing bridge (Add signage and bike lane symbols to existing 4' bridge and roadway shoulder)	
Trenton Road Bridge	0	\$200.00	\$0.00	Minor improvements over existing bridge (Add signage and bike lane symbols to existing 4' bridge and roadway shoulder)	
Harrison Crossing (at grade)	1	\$30,000.00	\$30,000.00	Signal improvements, crossing striping, signage, etc.	
Bridge over Crabtree Creek	200	\$2,000.00	\$400,000.00	Assumes pre-fabricated bridge	
Subtotal			\$5,680,000.00		
ROW Acquisition	2,300	\$1.25	\$2,875.00	Assumes 50 foot right of way. (Assumes TOC, SAS, or NCDOT will donate)	
Subtotal			\$5,682,875.00		
PS&E			<u>\$568,287.50</u>	Surveying, engineering, permitting	
Subtotal			\$6,251,162.50		
Contingency 20%			<u>\$1,250,232.50</u>		
Grand Total			\$7,501,395.00		SPOT 5

Triangle Bikeway - Bike Highway
Preliminary Cost Estimate

<u>Route Detail</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>	<u>Notes</u>
9.5 miles of southside route	50,160	\$378.79	\$19,000,000.00	Includes grading, minor drainage and retain walls
Driveway and signal upgrades from Edwards Mill to Art Museum	1	\$50,000.00	\$50,000.00	Minor improvements over existing bridge (Add signage and bike lane symbols to existing 4' bridge and roadway shoulder)
Trenton Road Bridge	-	\$200.00	\$0.00	Minor improvements over existing bridge (Add signage and bike lane symbols to existing 4' bridge and roadway shoulder)
Harrison Crossing (at grade)	1	\$30,000.00	\$30,000.00	Signal improvements, crossing striping, signage, etc.
Bridge over Crabtree Creek	200	\$2,000.00	\$400,000.00	Assumes pre-fabricated bridge
Boardwalk over Crabtree Lake	400	\$750.00	\$300,000.00	Assumes concrete boardwalk
Aviation Parkway Crossing (at grade)	1	\$30,000.00	\$30,000.00	Signal improvements, crossing striping, signage, etc.
Boardwalk over wetland	1600	\$750.00	\$1,200,000.00	Signal improvements, crossing striping, signage, etc.
Airport Boulevard Crossing (at grade)	1	\$30,000.00	\$30,000.00	Signal improvements, crossing striping, signage, etc.
boardwalk over drainage outfall	200	\$750.00	\$150,000.00	
Slater Road bridge	350	\$200.00	\$70,000.00	Improvements to bridge for cycling
HAWK Signal Page Road	1	\$50,000.00	\$50,000.00	
Subtotal			\$21,310,000.00	
ROW Acquisition	873500	\$1.25	\$1,091,875.00	Assumes 50 foot right of way
Subtotal			\$22,401,875.00	
PS&E			<u>\$2,240,187.50</u>	Surveying, engineering, permitting
Subtotal			\$24,642,062.50	
Contingency 20%			<u>\$4,928,412.50</u>	
Grand Total			\$29,570,475.00	

Commissioner Burns asked if the bike commuter route is on the current greenway plan. Mr. Snow said it currently is not, but the plan is flexible and there will be a request later this month for it to be added to the existing plan.

Commissioner Calabria asked how the county would fund its match if the grants were approved. Mr. Snow said the project is eligible for Capital Improvement funding.

Commissioner Hutchinson asked if the county match money needs to be identified prior to applying for the grants. Mr. Snow said CAMPO requires a letter stating the county will make attempt to obtain their portion of funds if these grants are approved.

Commissioner Hutchinson stressed the importance of this project. He said there is no other viable way to get through this corridor.

Commissioner Burns said many greenways are in need of attention and the board needs to be careful not to focus just on this one project.

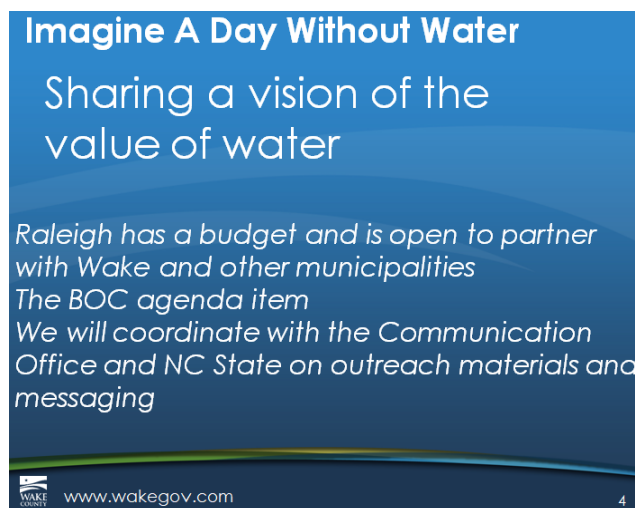
A short break was taken at 11:03 a.m.; the meeting was called back to order at 11:12 a.m.

Overview of One Water Initiatives

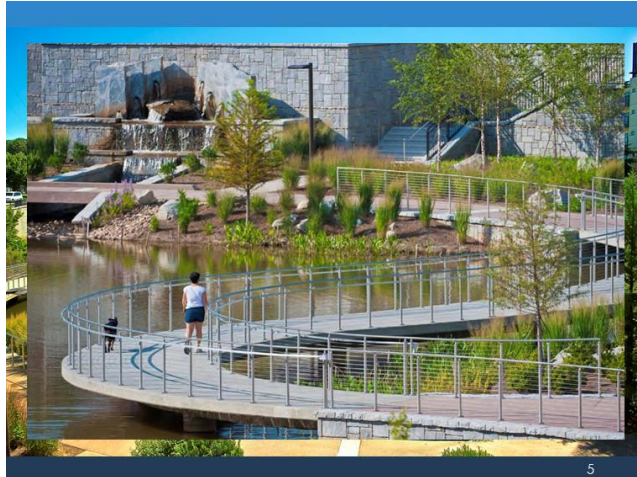
Mr. Michael Orbon, Water Quality Director, provided an overview of the One Water initiative and the Wake County Partnership. He also discussed their “Imagine A Day Without Water” campaign.

Mr. Orbon shared the vision of “Imagine A Day Without Water.”

Mr. Orbon shared how the One Water initiative and the county are working together.



Mr. Orbon shared what his One Water vision would look like. He also said storm water is a good device, but requires maintenance going forward to ensure quality.



Mr. Orbon said it is important that the communities be included in the plan.



Mr. Orbon shared the education and outreach of the project. He said the community needs education on the One Water initiative.

Education and Outreach

One Water Approach

- Identify community priorities
- Emphasis on equitable distribution
- One Water should be incorporated in materials

Education and Outreach

One Water Approach

- Discuss the Raleigh/Wake collaboration
- Include recreational uses
- Host the One Water Summit
- Imagine a Day Without Water Presentation
- <http://imagineadaywithoutwater.org/>

Mr. Orbon shared the cooperative resource planning that is required for the One Water initiative.

Cooperative Resource Planning

One Water Approach

- Identify community priorities
- Emphasis on equitable distribution
- One Water should be incorporated in plans

Cooperative Resource Planning

One Water Approach

- Connection with annexation laws
- Public private partnerships
- Promote a credit and trade method of protection
- New scope for the groundwater study
- Technology solution for septic system inspection

Mr. Orbon shared the benefits of working with various groups to complete the study.

Coordination with Other Groups

One Water Approach

- Groups can be connected
- Finding common actions and goals
- Discuss quality in the Neuse basin and Johnston County
- Host the One Water Summit

Mr. Orbon said the preliminary scope is complete and will be coming to the board at a future public meeting for consideration.

Mr. Orbon shared the Coordination Committee's recommendation for tracking agencies.

- Cape Fear River Assembly (CFRA)
- Jordan Lake One Water Association (JLOWA)
- Jordan Lake Partnership (JLP)
- Little River Reservoir Interlocal Agreement
- North Carolina Drought Management Advisory Council (DMAC)
- North Carolina League of Municipalities (NCLM) – Regulatory Affairs Committee (RAC)
- Triangle Area Water Supply Monitoring Project (TAWSMP)
- Triangle J Council of Governments (TJCOG), including Triangle Region Resiliency Project
- University of North Carolina (UNC) Collaboratory
- Upper Cape Fear River Basin Association (UCFRBA)
- Upper Neuse River Basin Association (UNRBA), including Raleigh Watershed Review Board and Upper Neuse Clean Water Initiative (UNCWI)

Mr. Orbon stressed the importance of green infrastructure.

Green Infrastructure

One Water Approach

- Identify community priorities
- Emphasis on equitable distribution
- One Water should be incorporated in plans

Green Infrastructure

One Water Approach

- Partnerships that put the projects on the ground
- Innovative technologies
- Educate through SCM's



Commissioner Burns asked Mr. Orbon if he is aware of brown water coming from a certain water supplier's pipes. Mr. Orbon said he had one complaint recently and has worked with the resident to connect them with public water supply. He said the problem is believed to be caused by too much iron in the water. Mr. Orbon said he also addressed a complaint on low water pressure in that area.

Ms. Dale Threatt-Taylor, Conservation District Administrator, said this plan can be a great flood control structure, but will require public education and communication.

Adjourn

Commissioner Burns adjourned the meeting at 11:49 pm.

Respectfully submitted,

Michelle L. Cerett
Executive Assistant,
Wake County Commissioners