

1. Welcome and Introductions

2. Adjustments to the Agenda

3. Ethics Statement:

In accordance with the State Government Ethics Act, it is the duty of every Executive Board member to avoid conflicts of interest.

Does any Executive Board member have any known conflict of interest with respect to matters coming before the Executive Board today? If so, please identify the conflict and refrain from any participation in the particular matter involved.



4. Public Comments

This is an opportunity for comments by those in attendance related to items *not* on the agenda.

Please limit comments to three minutes for each speaker.



5. Minutes

5.1 Meeting Minutes -- August 15, 2018

Requested Action:

Consider approval of the August 15, 2018 Minutes.



6. Consent Agenda

6.1 Transit Asset Management Performance Measures& Targets for State of Good Repair

Recommended Action:

Consider approval of recommended performance measures and targets for TAM and State of Good Repair.

6.2 Wake Transit Work Plan Amendment Policy Update

Recommended Action: Consider approval of the Wake Transit Work Plan Amendment Policy

END OF CONSENT AGENDA



7. Public Hearing

None



8. Regular Agenda



8.1 NC 98 Corridor Study



8.1 NC 98 Corridor Study



















www.nc98corridor.com



NC 98 CORRIDOR STUDY REPORT

WHERE & WHAT

Project Study Area:

• 27-miles from U.S. 70 in Durham Co. through Wake Co. to U.S. 401 in Franklin Co. (approximately a quarter mile (1/4) on either side of N.C. 98)

This study will evaluate:



Safety & Mobility



Planned & Existing Roads



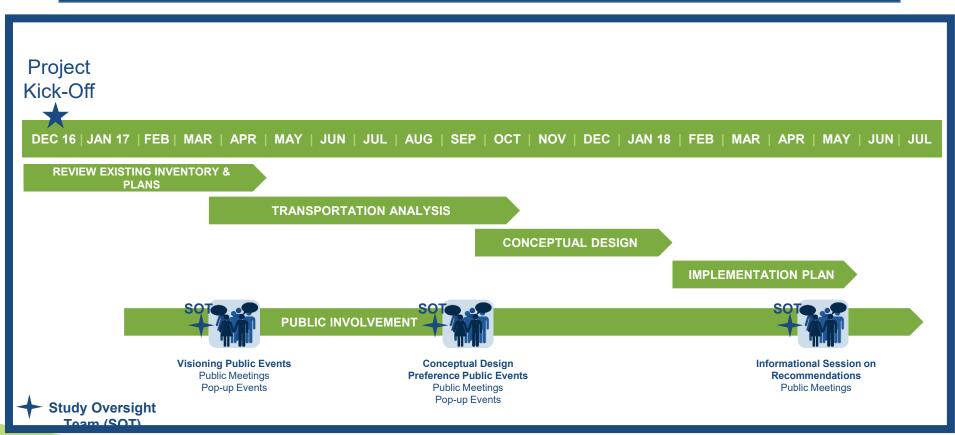
Transit



Bicycle/ Pedestrian Facilities



N.C. 98 STUDY SCHEDULE



Meeting



EXISTING CONDITIONS

Environmentally Sensitive Areas

Several Types of Land Uses

Traffic Generating Facilities

Recreation













Little River, & • Neuse River • Watersheds Shinleaf Recreation Area **Parks**

Natural Commercial

וועווסטונענוטו Recreational Agricultural Residential Educational Institutions **Environment**

Schools Churches Shopping centers **Activities**

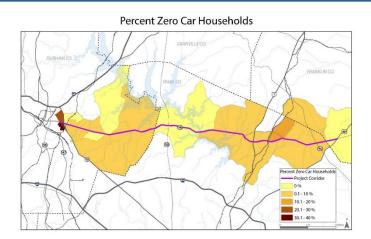
Cycling **Boating Camping** Parks & Trails

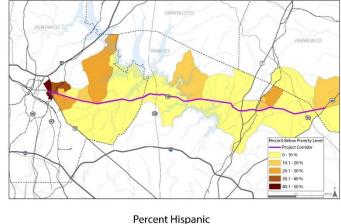
Golf



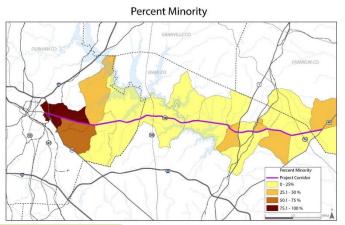
Trails

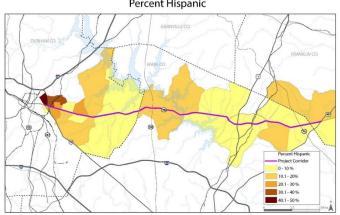
Demographics





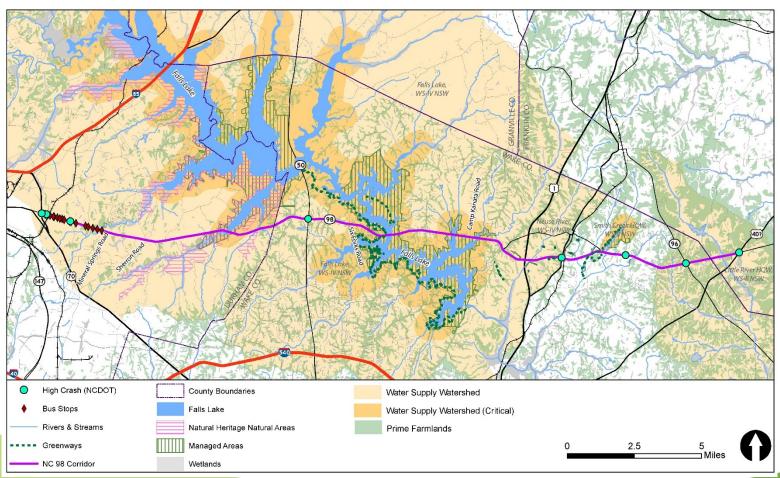
Percent Below Poverty Level



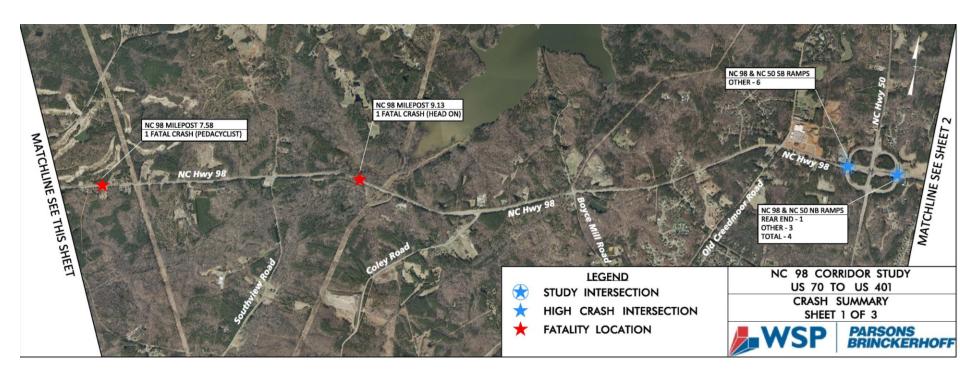




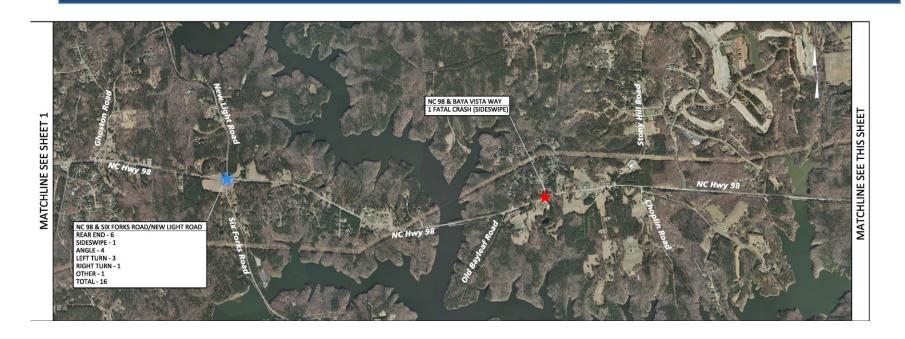
Environmental Constraints

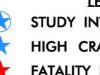


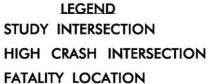






















LEGEND STUDY INTERSECTION



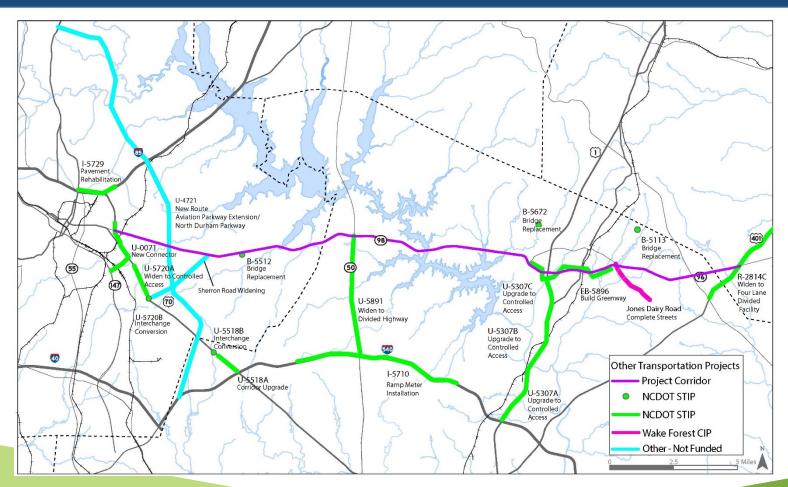
HIGH CRASH INTERSECTION



FATALITY LOCATION



AREA PROJECTS ALONG NC 98

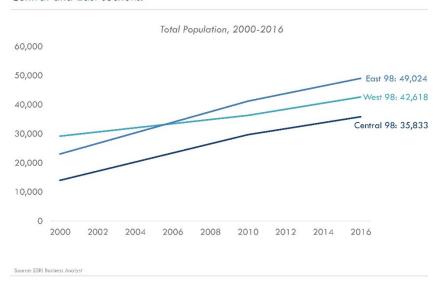




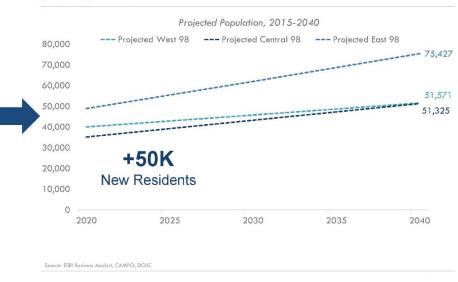
ECONOMIC ANALYSIS

POPULATION GROWTH

The NC 98 Corridor has seen significant growth since 2000, most notably in the Central and East sections.



Based on CAMPO projections, the corridor is expected to add over 50,000 people by 2040.

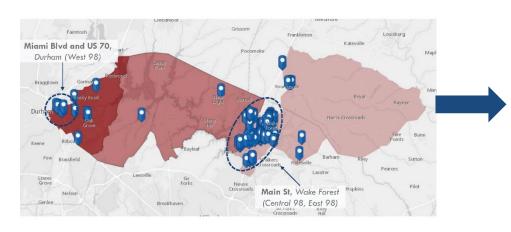




ECONOMIC ANALYSIS

COMMERCIAL GROWTH

Existing commercial office buildings have clustered along Miami Boulevard in Durham and Main Street in Wake Forest.



Source: CoStar, ESRI

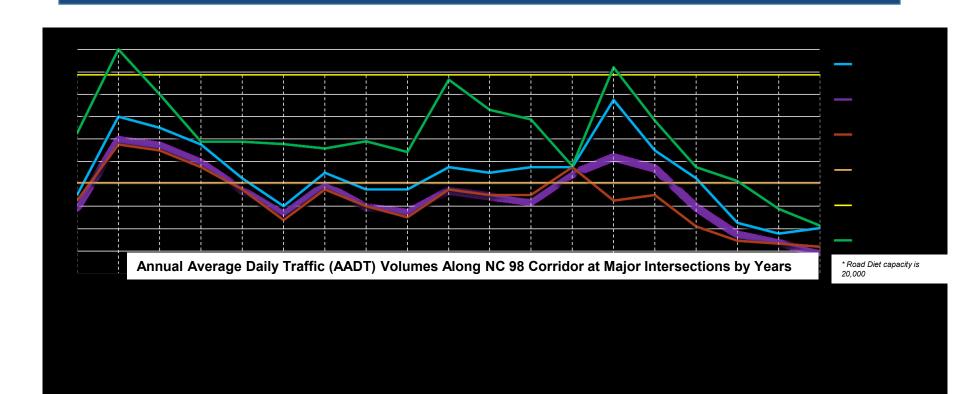
The Study Area could add an additional 1 million SF in commercial office space by 2040, primarily owing to growth in East 98.



Source: CoStar, CAMPO



TRAFFIC ANALYSIS





PUBLIC PARTICIPATION



5 pop-up events



558 crowdsource comments



6 public meetings



168 comment forms/online surveys



221 attendees



121 online comment submissions/web sign-ups

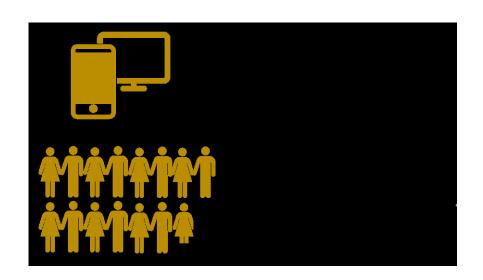


Corridor Outreach

(Durham Southern High School Football Game, Businesses and Churches along the corridor)



PUBLIC PARTICIPATION

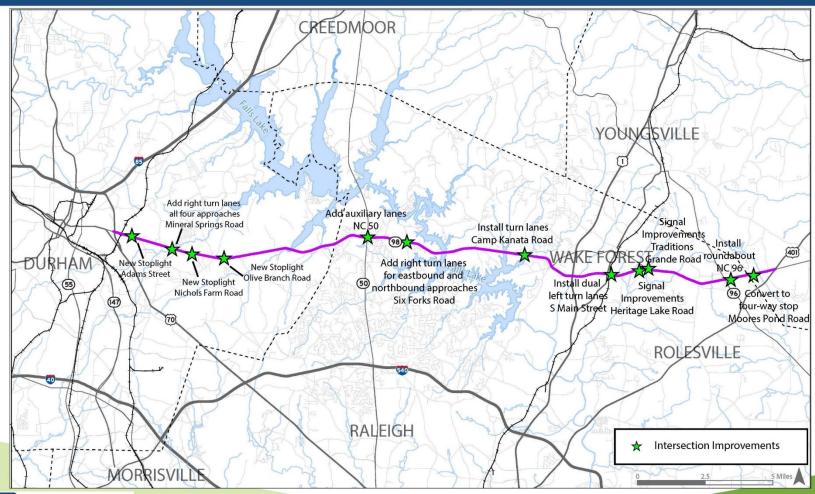




NC98Corridor.com



SHORT-TERM IMPROVEMENTS





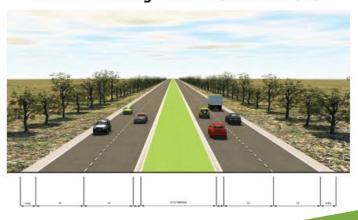
LONG-TERM IMPROVEMENTS



Junction to Sherron - Access Management



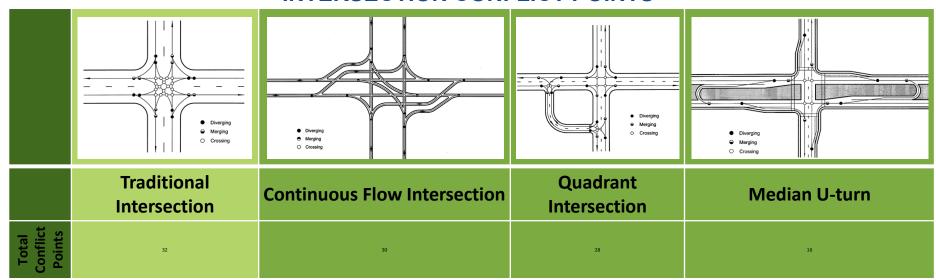
4 Lane Widening - Potential Cross Section





INTERSECTION TREATMENTS

INTERSECTION CONFLICT POINTS



Indirect Left-Turn Treatments:

- Remove the left-turning vehicles from the flow of traffic without causing them to stop in a through-traffic lane (as a traditional intersection may)
- Improve safety by reducing the number of conflict points as shown above
- Reduce the number of signal phases to provide more green time for traffic
- Increase capacity



PEDESTRIAN & BICYCLE

POTENTIAL BICYCLE AND PEDESTRIAN FACILITIES

Facility Type



Description

A shared-use path is defined as a trail permitting more than one type of user. Paths serve as part of a transportation circulation system and support multiple recreation opportunities, such as walking. bicycling, and inline skating. A shared-use path is physically separated from motor vehicular traffic with an open space or barrier.



Bike lanes designate an exclusive space for bicyclists through the use of pavement markings, striping, and signage. The bike lane is located adjacent to motor vehicle travel lanes and flows in the same direction as motor vehicle traffic. Bike lanes are typically on the right side of the street. Benefits include providing obvious space on the road for cyclists and sending a message to other road users to expect cyclists.



- A buffered bicycle lane is a bike lane with additional striping or hatching (buffer) adjacent to it.
- The buffer may separate the bicycle lane from
- motor vehicle travel, parking, or both.
- · The buffer width is typically 2'-3'.

Facility Type



Description

- A median refuge or island provides in-street refuge along the route of a pedestrian crossing.
- The refuge width is ideally 7'+ to fit bicycles.
- The approach to vehicle travel lanes must be ADA-



- High visibility striping should be used at crossing
- · A 4' minimum width should be used for ADAaccessible curb ramps.
- A push button with audible status should be present at the crossing.
- A pedestrian countdown signal should be present.



- Rapid flashing beacons are used to increase visibility of pedestrians as they cross the roadway at uncontrolled crosswalks.
- This beacon is pedestrian-activated (i.e., the signal will only flash if a pedestrian has pushed a button, indicating that they need to cross the street).

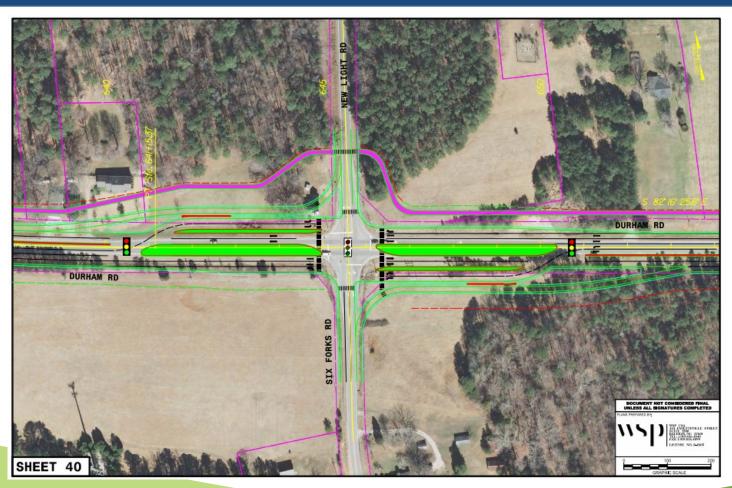


Conceptual Designs



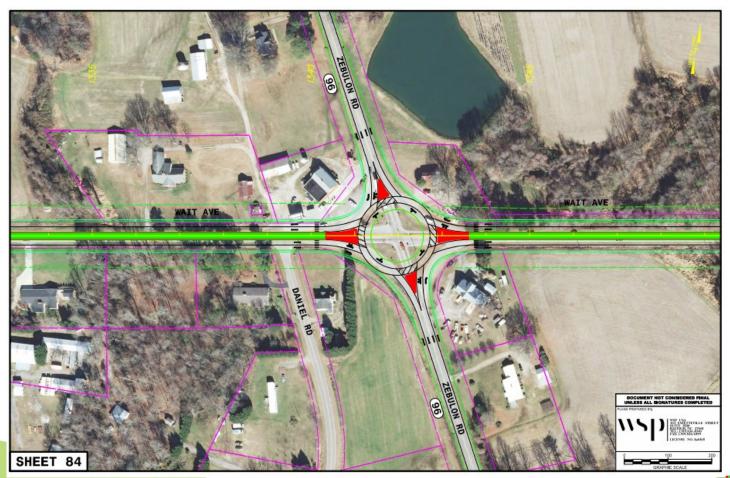


Conceptual Designs





Conceptual Designs





POTENTIAL FUNDING SOURCES

NCDOT Transportation Improvement Program	Other NCDOT Funds	MPO Local Project Funds	Municipal Funds	Grants	Developer
 Sherron Road to Old Falls of Neuse Widening Old Falls of Neuse Road to Jones Dairy Road Intersection Upgrades Jones Dairy Road to US 401 Widening Sherron Road Widening NC 98 to US 70 (needed for road diet) Northern Durham Parkway NC 98 to US 70 (needed for road diet) 	 Left turn lanes at Camp Kanata Left turn lanes at Six Forks Road Turn lanes at Mineral Springs Road Traffic signal at Adams Street Auxiliary Lanes on NC 98 at NC 50 	 Sidewalk improvement s from US 70 to Sherron Road Sherron Road to Neal Middle School Multiuse Path Intersection improvement s at S. Main Street Intersection improvement s at Jones Dairy Road and Traditions Grande Intersection improvement s at Old Falls of Neuse Road Turn lanes at Six Forks 	bridge over NC 98	to Sherron Road Transit stop improvement s	• Road • Intersection improvement s from Old

Questions

Will.Letchworth@WSP.com www.NC98corridor.com #NC98study



8.1 NC 98 Corridor Study

Requested Action:

Endorsement of NC 98 Corridor Study recommendations for consideration in development of Metropolitan Transportation Plan (MTP).



8.2 Rolesville Main Street Study



CAMPOTCC

SEPTEMBER 6, 2018



AGENDA



- Public Process
- Final Recommendations
- Phasing & Implementation



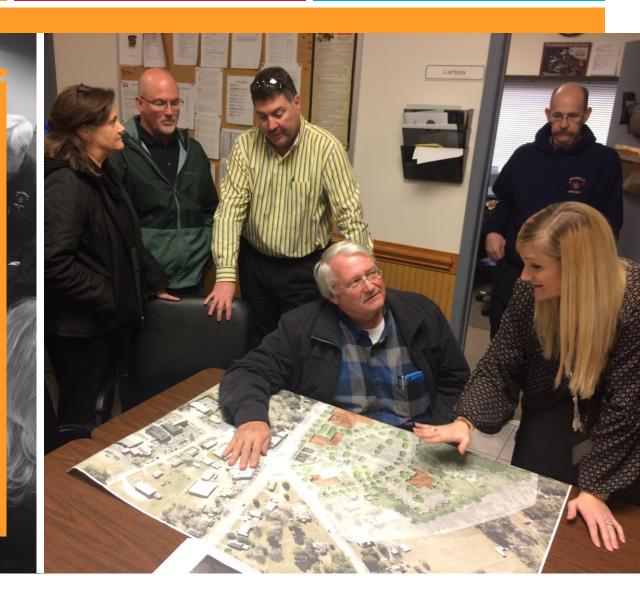


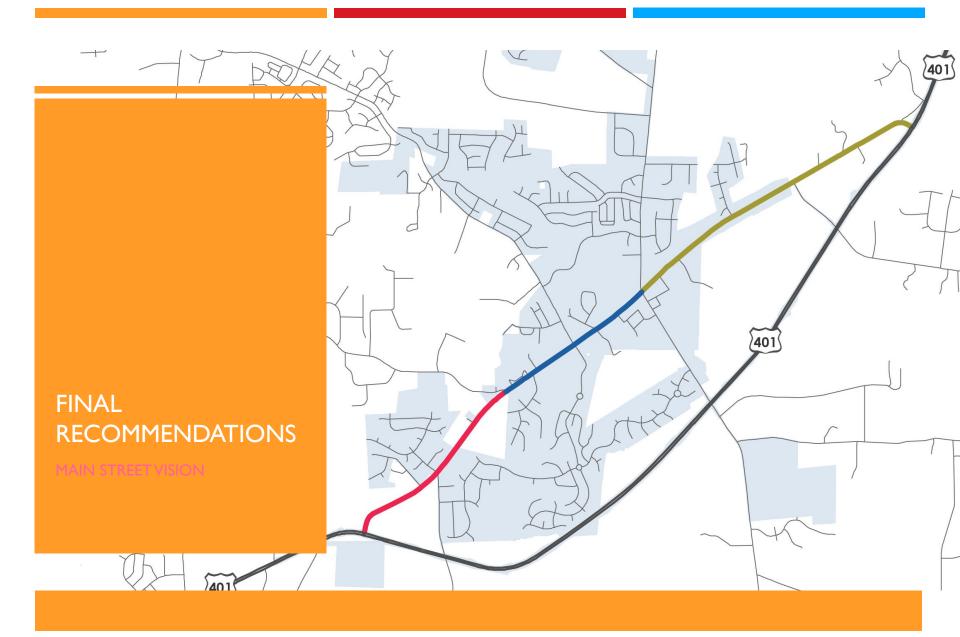






- Principle #1: Modal Choices must be a priority
- Principle #2: The Safety of All Users is Critical
- Principle #3: Focus on Best
 Design Practices for Access
 Management & Enhanced
 Connectivity
- Principle #4: The corridor has to Support Surrounding Uses through Attractive Design
- Principle #5: Supporting Quality Development/Redevelopment





SUBURBAN FRINGE – US 401 TO BURLINGTON MILLS RD

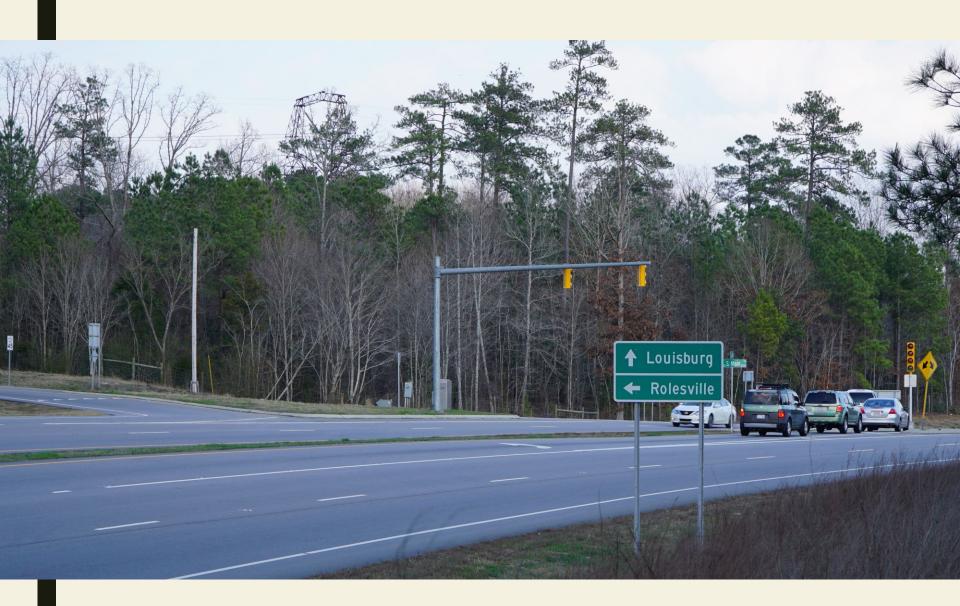


SUBURBAN FRINGE – US 401 TO JONESVILLE RD

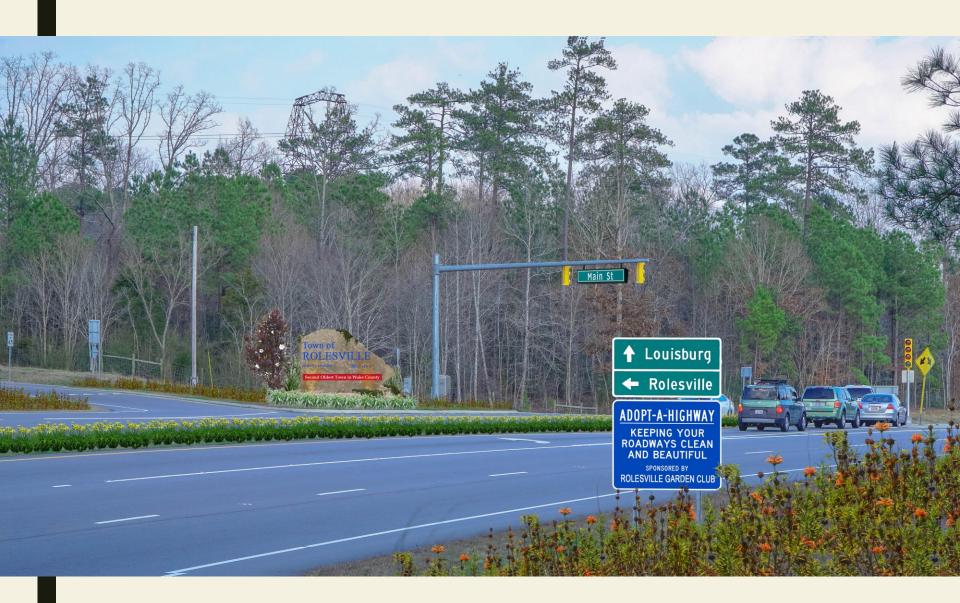




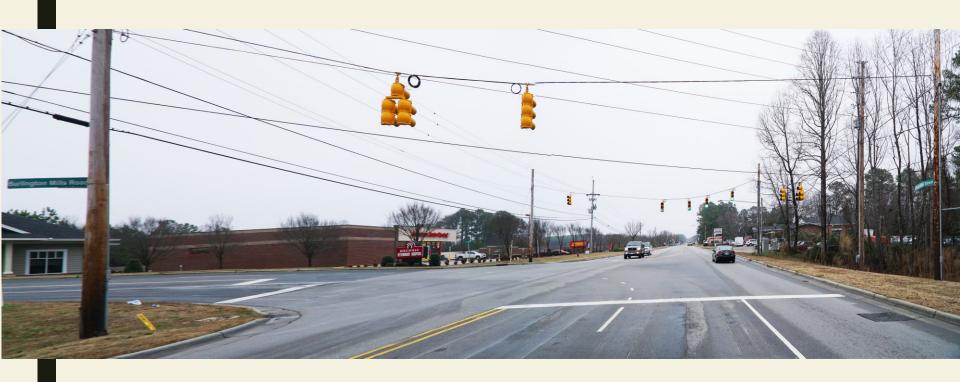






















VILLAGE CORE – BURLINGTON MILLS ROAD TO YOUNG STREET



VILLAGE CORE – BURLINGTON MILLS ROAD TO YOUNG STREET











RURALTRANSITION – YOUNG STREET TO US 401 (N)



RURAL TRANSITION – WATERSTONE LANE TO US 401















FINAL RECOMMENDATIONS **CATALYST SITES**

MARKET ANALYSIS

North - Young St. Intersection

Theme: Downtown

- Celebrate the heart of Rolesville;
- Small scale shops, boutiques and dining; connected to housing, civic spaces, parks and greenways

Streetscape improvements.





Central – Burlington Mills Rd.

Theme: Residential Village

- Expanded housing options with higher density to support retail;
- Townhomes, apartments and senior housing;

PHASE I | DOWNTOWN

PHASE 2 | DOWNTOWN



Development Data: (2-3 stories)

Civic/Commercial Anchors: 92,600 sf

Retail/Office: 94,500 sf

Residential Units: 176 units (lofts, townhomes, narrow lot single family, neighborhood infill, accessory dwelling

units)

DOWNTOWN OPTION B



Development Data: (2-3 stories)

Civic/Commercial: 50,800 sf (Town Hall, Police Station, Library, Cultural Center)

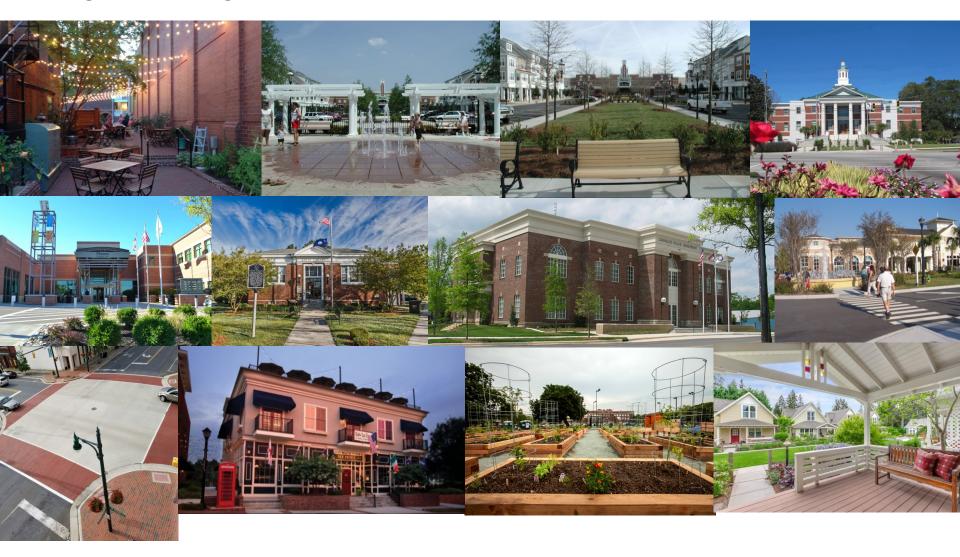
Retail/Office: 114,100 sf

Residential Units: 190 units (lofts, townhomes, narrow lot single family, neighborhood infill, accessory dwelling

units)



PRECEDENT IMAGERY

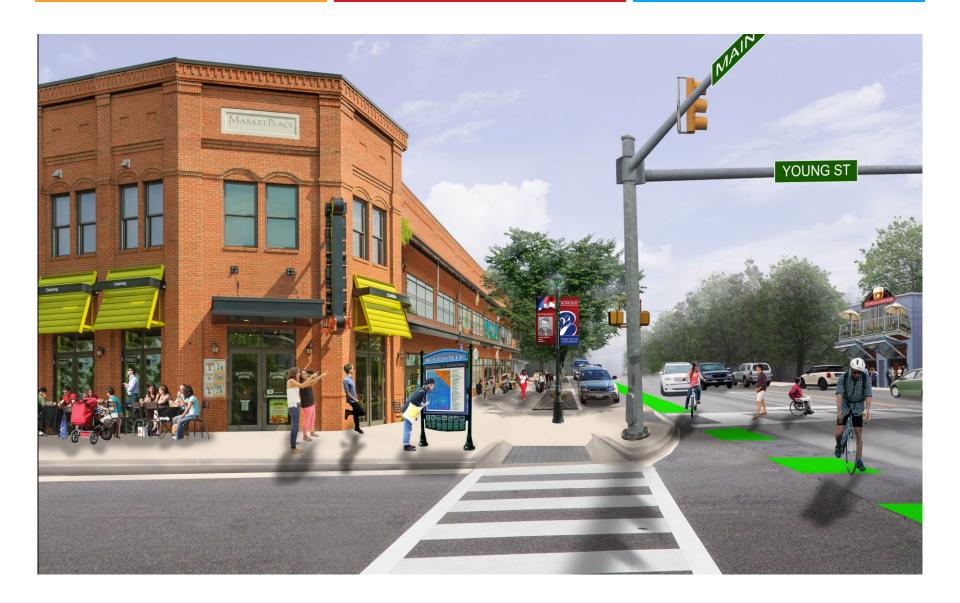






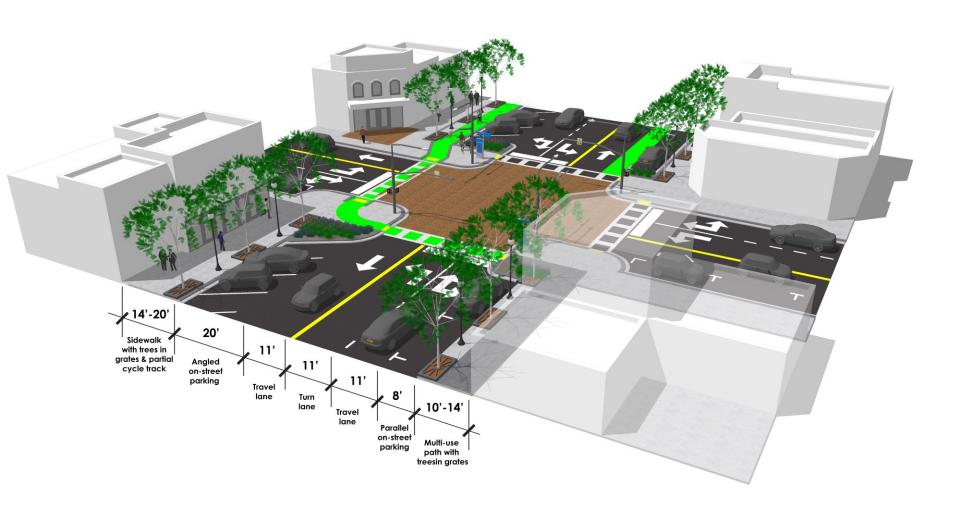








PROPOSED IMPROVEMENTS



PHASING & IMPLEMENTATION

BIG MOVES









WHAT WE HEARD – OPEN HOUSE





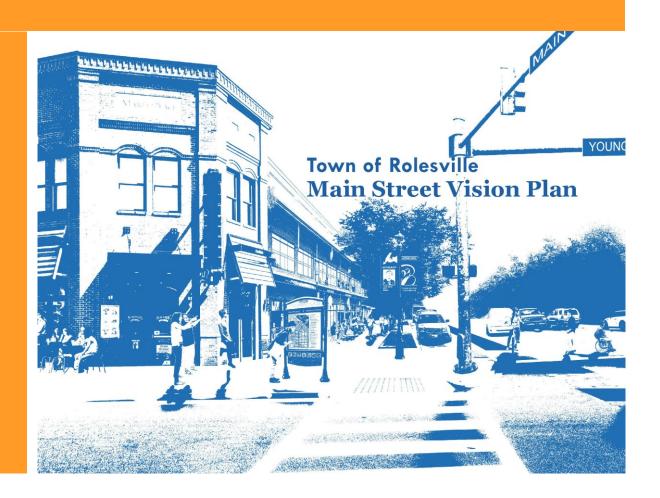
ACTION PLAN MATRIX

Corridor Projects	Construction Costs	Funding Source	Time Frame
Suburban Fringe: South Bypass to Burlington Mills	\$3,100,000	State & Town	6-10 years
Village Core: Burlington Mills to Young Street	\$1,900,000	State, Town, CAMPO & Grant	1-5 years
Rural Transition: Young Street to North Bypass	\$3,600,000	State & Town	10+ years

Intersection Projects	Construction Costs	Funding Source	Time Frame
Lonnie Drive Roundabout	\$81 <i>5,</i> 000	State, Town, 5,000 Private, CAMPO & Grant	
Burlington Mills Road Realignment	\$3,200,000	State & Private	6-10 years
Rogers and Main Street Intersection	\$90,000	Town, CAMPO & Grant	1-5 years
Young and Main Street Intersection	\$660,000	State, Town, Private, CAMPO & Grant	1-5 years

ESTIMATED TOTAL COSTS FOR IMPROVEMENTS \$13,365,000

Let's keep pushing towards Implementation!



8.2 Rolesville Main Street Study - Final Report

Requested Action:

Endorsement of Rolesville Main Street Study recommendations for consideration in development of Metropolitan Transportation Plan (MTP).



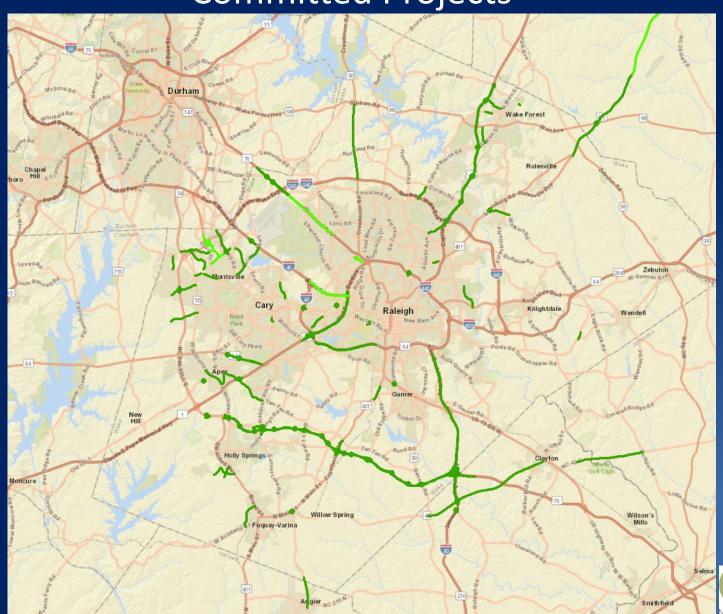
8.3 Prioritization (SPOT) 5.0 – Division Needs Local Input Point Assignment

- NCDOT has released the DRAFT Regional Impact projects
- CAMPO will present a recommendation for the Division Needs point assignment based on the adopted methodology
- TIP/SPOT Subcommittee Meeting: Sept. 13th 27th 10:00
 AM
- Public Review & Comment Period will run through
 October 16, 2018 with Executive Board public hearing on
 October 17, 2018



8.3 Prioritization (SPOT) 5.0

Committed Projects



8.3 Prioritization (SPOT) 5.0 DRAFT Statewide Mobility

YEARS 1-5 2020 - 2024 **\$58,300,000**

• US 1 (US 64 to NC 55) Widen to 6 lanes

YEARS 6-10 2025 - 2029 \$561,287,000

- NC 540 (I-40 to I-87/US 64/264) TOLL
- I-87 (Wendell Blvd to 64/264) Widen to 6 lanes
- I-87 (Smithfield Rd) DDI
- I-40 (NC 54 to Wade) Managed Motorways
- I-40, I-440, I-87, US 1 Managed Motorways
- NCRR / Trinity Rd Grade Separation
- NCRR Beryl Rd extension & at-grade closure
- CSX / Millbrook Rd Grade Separation
- NCRR / Vandora Springs Grade Separation
- CSX / SW Maynard Grade Separation

8.3 Prioritization (SPOT) 5.0 DRAFT Regional Impact

YRS 1-5 2020 -2024 \$92,405,000

- Clayton Citywide Signal System
- US 1 (NC 98 to Harris Road)

YRS 6-10 2025 – 2029 \$206,222,000

- US 401 / Ten Ten Rd Interchange
- US 64 / NC 751 Interchange
- US 401 6 lane Superstreet (Simpkins to Mechanical)
- Apex Citywide Signal System
- Raleigh Citywide Signal System
- US 70 Bus Superstreet (Greenfield Pkwy to NC 42)
- Shotwell Road Rail Grade Separation



Prioritization 5.0 – Division Needs Funding Availability (2020-2029)

Division	Total Allocation	Amount Programmed	Amount Available for P5.0 Projects*
Division 1	\$502M	\$344M	\$158M
Division 2	\$502M	\$363M	\$139M
Division 3	\$502M	\$359M	\$143M
Division 4	\$502M	\$285M	\$217M
Division 5	\$502M	\$416M	\$86M
Division 6	\$502M	\$295M	\$207M
Division 7	\$502M	\$369M	\$133M
Division 8	\$502M	\$250M	\$252M
Division 9	\$502M	\$284M	\$218M
Division 10	\$502M	\$346M	\$156M
Division 11	\$502M	\$232M	\$270M
Division 12	\$502M	\$416M	\$86M
Division 13	\$502M	\$448M	\$54M
Division 14	\$502M	\$381M	\$121M
Total	\$7,028M	\$4,788M	\$2,240M

^{*}As of August 23, 2018 – does not account for additional Build NC Bond revenues



8.3 Prioritization (SPOT) 5.0 – Division Needs Local Input Point Assignment

Requested Action:



10. Informational Items: Budget

10.1 Operating Budget - FY 18

10.2 Member Shares - FY 18

Requested Action:



11.1 Informational Item: Project Updates

- Hot Spot Program
- Wake Transit Planning Studies & Tasks
- Regional Freight Plan Study
- (SRTS) John Rex Endowment Grant Award Update
- NC 98 Corridor Study
- Rolesville Main Street Study
- Southwest Area Study Update
- Triangle Regional ITS Update
- Triangle Tolling Study Update

Requested Action:



11.2 Informational Item: LAPP Available Funding Report

Requested Action:



12. Informational Item: Staff Reports

- MPO Executive Director
- TCC Chair
- NCDOT Transportation Planning Division
- NCDOT Division 4
- NCDOT Division 5
- NCDOT Division 6
- NCDOT Rail Division
- NC Turnpike Authority
- Executive Board Members

Requested Action:



Upcoming Events

Date	Event
Oct. 4, 2018 10:00 a.m.	TCC One City Plaza 421 Fayetteville Street, Suite 203 Raleigh, NC 27601
Oct. 17, 2018 4:00 p.m.	Executive Board One City Plaza 421 Fayetteville Street, Suite 203 Raleigh, NC 27601
Oct. 19-20, 2018	NC BikeWalk Summit Raleigh Convention Center
Oct. 31, 2018 9:00 a.m.	CAMPO / DCHC Joint Executive Board RTP Headquarters 12 Davis Drive, RTP

ADJOURN

