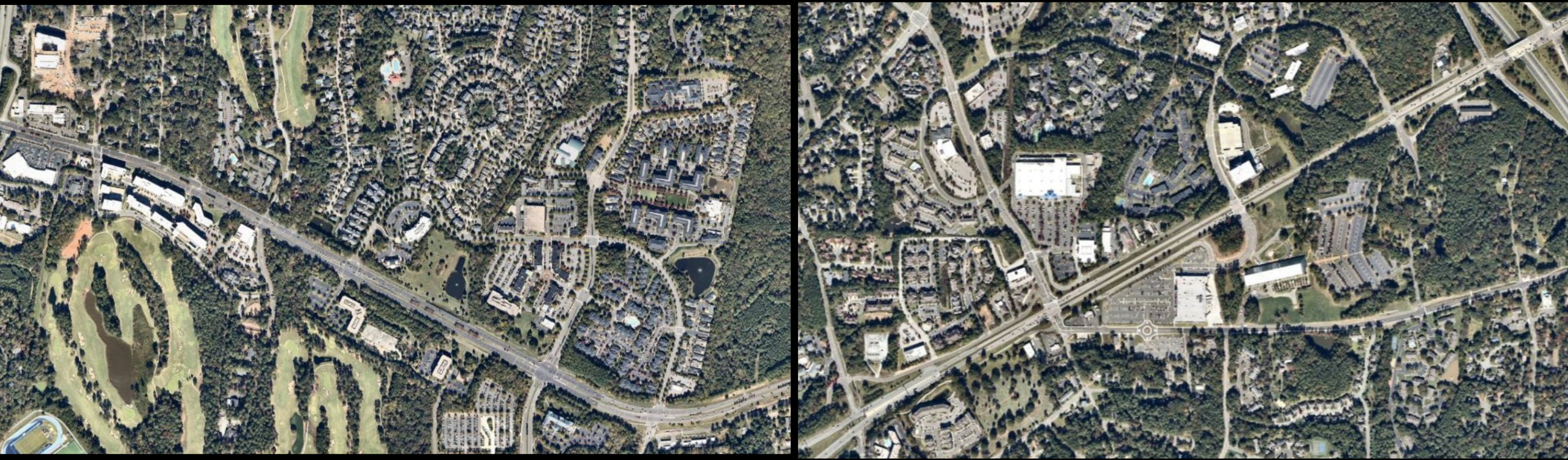




TOWN COUNCIL

DISCUSSION ITEM
1.11.2023

Consider a Highway Project Swap in the 2024-2033 STIP





RECOMMENDATION

That the Council adopt Resolution R-10 requesting that NCDOT include the widening/capacity improvements on US 15-501 from Ephesus Church Road to I-40 (U-5304F) and remove the NC 54 corridor improvement project (U-5774B) from the 2024-2033 STIP.



BACKGROUND

- STIP – State Transportation Improvement Program
 - List of all NCDOT transportation projects planned in the next 10 years
- Major update every 4 years
 - Opportunity to include new projects
- STIP includes “Committed” and “Uncommitted” projects
 - Committed Projects are in the first 4 years of the list, and will be built
 - Uncommitted Projects are in years 5-10, and can be scored again in the next 4-year update cycle

		
BASIC PROJECT INFORMATION		
COUNTY(S)	ROUTE/CITY	DESCRIPTION
ORANGE	BARNES STREET	KING STREET TO SR 1005 (JONES FERRY ROAD) IN CARRBORO. CONSTRUCT SIDEWALK.
ORANGE	MORGAN CREEK GREENWAY	WESTERN SECTION, SR 1919 (SMITH LEVEL ROAD) TO UNIVERSITY LAKE IN CARRBORO. CONSTRUCT GREENWAY AND CONNECTIONS.
ORANGE	MORGAN CREEK GREENWAY	PHASE 1 - ABBEY LANE TO SR 1919 (SMITH LEVEL ROAD) IN CARRBORO AND PIEDMONT EMC UTILITY EASEMENT TO SR 1919 (SMITH LEVEL ROAD) IN CARRBORO. CONSTRUCT GREENWAY AND CONNECTIONS.
ORANGE	MORGAN CREEK GREENWAY	PHASE 2 - WEST OF MORGAN CREEK TO PIEDMONT EMC UTILITY EASEMENT IN CARRBORO. CONSTRUCT GREENWAY AND CONNECTIONS.
ORANGE	NC 54	WESTBROOK DRIVE IN CARRBORO TO WEST OF US 15 / US 501 / NC 86 (SOUTH COLUMBIA STREET) INTERCHANGE IN CHAPEL HILL. CONSTRUCT SIDEWALK AND INSTALL PEDESTRIAN SIGNALS, CROSSWALKS, AND REFUGE ISLANDS AT SELECTED LOCATIONS.
		ANDERSON PARK TO JAMES STREET IN CARRBORO.



BACKGROUND

- NCDOT budget shortfall has shaped the development of the 2024-2033 STIP
 - Removing projects instead of adding new ones
 - Increased budget allowed NCDOT to add some projects back in earlier this year
- Draft 2024-2033 STIP currently reflects state priorities
 - Seeking local input on projects

COMMITTED STATUS CURRENT 2020- 2029 STIP	PRIORITIZATION STATUS DRAFT 2024-2033 STIP (APRIL 2022)	PRIORITIZATION STATUS DRAFT 2024-2033 STIP (AUGUST 2022)
NOT COMMITTED	WILL BE REPRIORITIZED	WILL BE REPRIORITIZED
P4.0 COMMITTED	WILL BE REPRIORITIZED	SCHEDULED FOR DELIVERY
NOT COMMITTED	WILL BE REPRIORITIZED	WILL BE REPRIORITIZED
NOT COMMITTED	WILL BE REPRIORITIZED	WILL BE REPRIORITIZED
P5.0 COMMITTED	WILL BE REPRIORITIZED	SCHEDULED FOR DELIVERY
P4.0 COMMITTED	SCHEDULED FOR DELIVERY	SCHEDULED FOR DELIVERY



NCDOT HIGHWAY PROJECTS: 2020 STIP

U-5304F

Widen 15-501 from the I-40 Interchange to Ephesus Church Road

Estimated cost: \$33.7 million

Start date: 2029

U-5304B

Widen 15-501 from the South Columbia interchange to the Raleigh Road interchange

Estimated cost: \$28.3 million

Start date: 2029

U-5304A

Improve the South Columbia/15-501 Interchange

Estimated cost: \$33.1 million

Start date: 2029

U-5304D

Widen 15-501 from Ephesus Church Road to the 1Raleigh Road interchange

Estimated cost: \$35.3 million

Start date: 2029

U-5774B

Widen NC 54 from Barbee Chapel Road to the Raleigh Road Interchange

Estimated cost: \$66.3 million

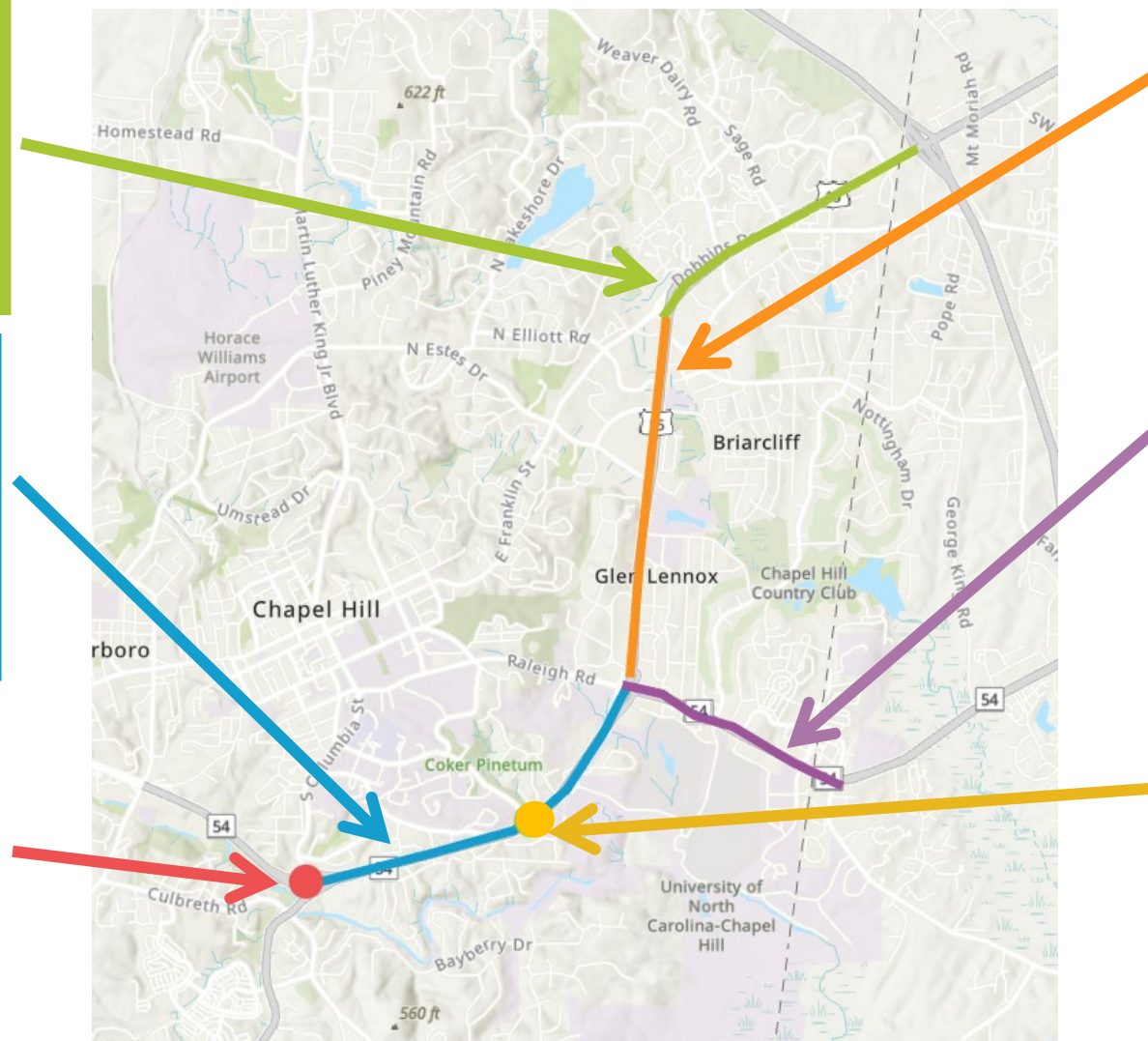
Start date: 2027

U-5304E

Convert Manning Drive from an intersection to an interchange

Estimated cost: \$37.5 million

Start date: 2029





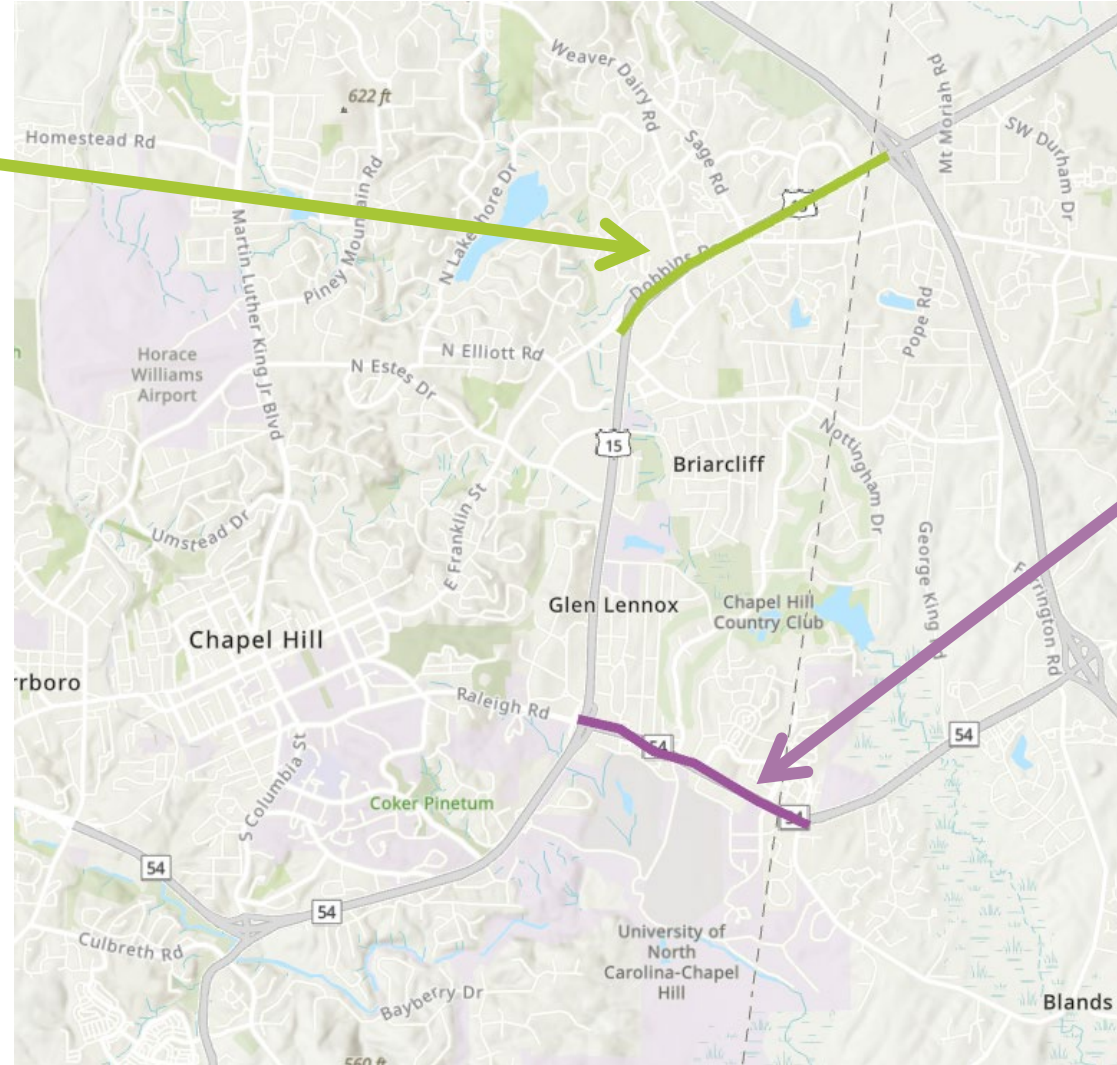
NCDOT HIGHWAY PROJECTS: 2024

U-5304F

Widen 15-501 from the I-40 Interchange to Ephesus Church Road

Estimated cost: \$33.7 million

Start date: 2029



U-5774B

Widen NC 54 from Barbee Chapel Road to the Raleigh Road Interchange

Estimated cost: \$66.3 million

Start date: 2027



CHAPEL HILL HIGHWAY PROJECTS

Project (STIP ID)	20-29 STIP	24-33 STIP	Estimated cost
<u>U.S. 15-501/NC 54 & S. Columbia St. interchange (U-5304A)</u>	x		\$ 33,041,000
<u>U.S. 15-501/NC 54 from S. Columbia St. to Raleigh Rd. (U-5304B)</u>	x		\$ 28,286,000
<u>U.S. 15-501 from Raleigh Rd. to Ephesus Church Rd. (U-5304D)</u>	x		\$ 35,345,000
<u>U.S. 15-501/NC 54 & Manning Dr. interchange (U-5304E)</u>	x		\$ 37,446,000
<u>U.S. 15-501 from Ephesus Church Rd. to I-40 (U-5304F)</u>	x		\$ 33,725,000
<u>NC 54 from Barbee Chapel Rd. to 15-501 interchange (U-5774B)</u>	x	x	\$ 66,374,000 ⁷

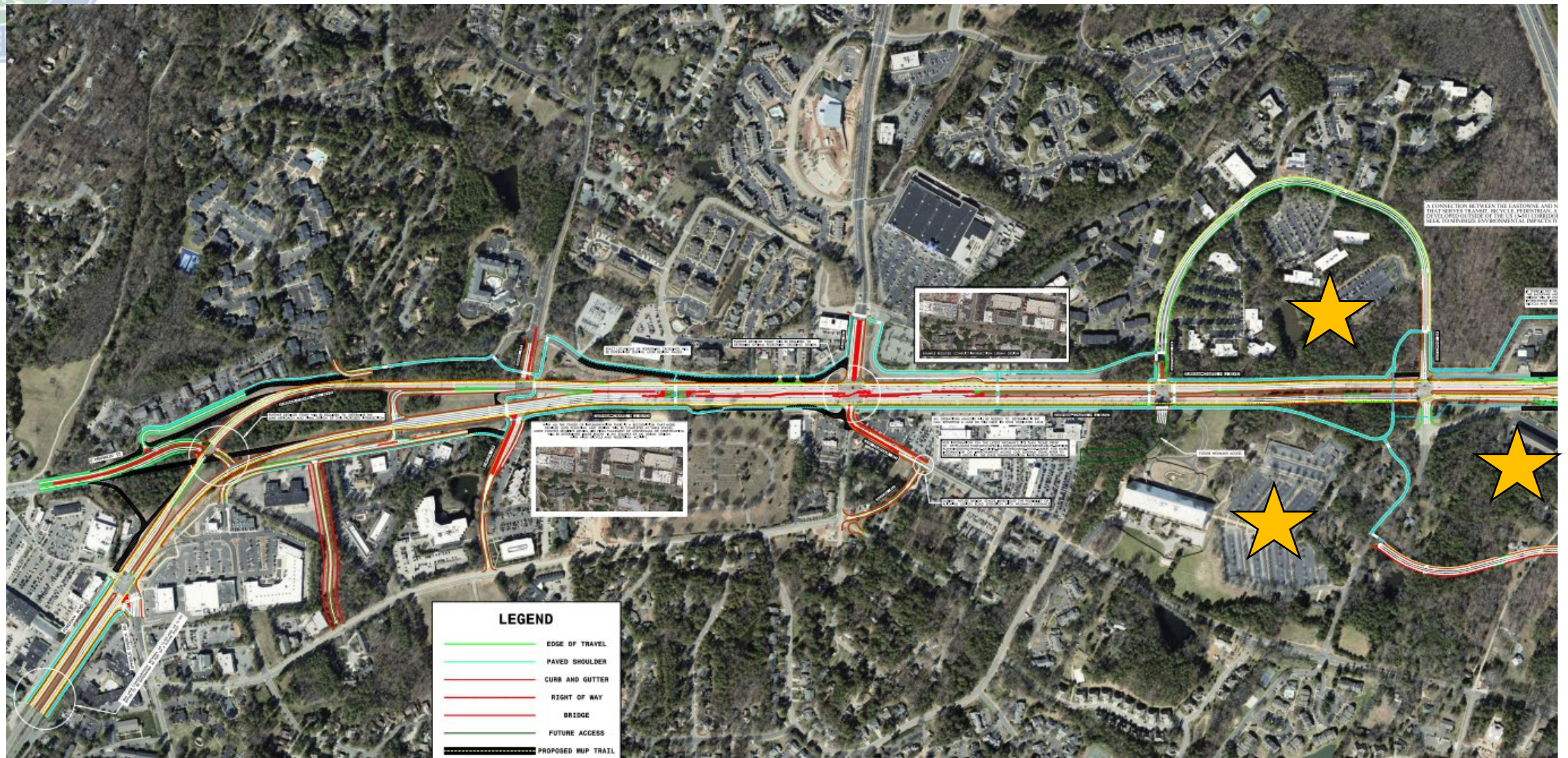


NC 54 (U-5774B)





US 15-501 (U-5304F)





WHY Would We Swap?

- Recent major development proposals in the 15-501 North focus area
- Two guiding policies in conflict
 - Developer expected to pay for impacts proportional to their additional traffic
 - Expectation that traffic will not be allowed to drop to Grade E or Grade F developments can't reasonably pay for magnitude of needed changes
- **NCDOT may need assurance that roadway improvements are on the horizon**



IF SWAPPED...

- Ease medium-term development concerns near US 15-501
- Work with NCDOT to influence design of “corridor capacity improvements”
 - Timeline of design in 2027-2030 range
- No improvements to NC 54 in medium-term
 - Could return to STIP in 2028
- Opportunity to add one additional highway project back into NCDOT plans
 - US 15-501 capacity improvements from Raleigh Road interchange to Ephesus Church Road
 - US 15-501 capacity improvements from South Columbia to Raleigh Road
 - Convert Manning Drive/15-501 intersection to interchange
 - Improve the interchange at South Columbia/US 15-501
- Nothing is guaranteed to be funded



STAFF RECOMMENDATION

Project Name (STIP ID)	2024-2033 STIP?
<u>US 15-501 From Ephesus Church Rd. to I-40 (U-5304F)</u>	YES
<u>NC 54 from Barbee Chapel Road to US 15-501 interchange (U-5774B)</u>	NO
<u>US 15-501/NC 54 & South Columbia (U-5304A)</u>	NO
<u>US 15-501/NC 54 from South Columbia to Raleigh Road (U-5304B)</u>	NO
<u>US 15-501 from Raleigh Road to Ephesus Church Road (U-5304D)</u>	NO
<u>US 15-501/NC 54 & Manning Drive (U-5304E)</u>	NO



RECOMMENDATION

That the Council adopt Resolution R-10 requesting that NCDOT include the widening/capacity improvements on US 15-501 from Ephesus Church Road to I-40 (U-5304F) and remove the NC 54 corridor improvement project (U-5774B) from the 2024-2033 STIP.