

Four additional special projects to consider for the FY17 UPWP

NC 98 CORRIDOR STUDY

The MPO has successfully completed a comprehensive multi-modal study of the southwestern and northeastern portions of the planning area and anticipates successful completion of a similar study of the southeastern portion of the planning area during FY 2016. Additionally a comprehensive multi-modal corridor study for the NC 50 corridor was completed in FY 2011 and NC 56 in FY 2015. Recommendations from these studies will carry forward to inform the development of the region's MTP. In an effort to achieve this success elsewhere in the planning area, a NC 98 Corridor Study is scheduled to begin in FFY 2017.

This study will include the NC 98 corridor through northern Wake and Durham Counties as well as southern Franklin County and include portions of the municipalities of Wake Forest and Durham, as well as the surrounding areas of Durham and Wake Counties. This study will be a joint planning study with the Durham, Chapel Hill, Carrboro MPO and NCDOT. The study will examine land use and socioeconomic forecasts in the area, and develop a long-range and interim list of multi-modal transportation improvement priorities for the subarea described. The results of this study, when combined with the NC 50 and NC 56 corridor studies, will serve as the sub-area study for the northwest portion of the planning area in lieu of a Northwest Area Study and provide for a unified vision for this vital travel corridor in the northern Triangle.

The NC 98 Corridor Study will span two fiscal years – FY 2017 and FY 2018 with a total estimated cost of \$300,000. This cost will be divided with \$125,000 in FY 2017 and \$175,000 in FY 2018.

FUNDING Partner	FY 17	FY 18	Total
CAMPO	\$ 100,000	\$ 25,000	\$125,000
DCHC MPO	\$ 25,000	\$ 50,000	\$ 75,000
NCDOT	\$ -	\$ 100,000	\$100,000
Total	\$ 125,000	\$ 175,000	\$300,000

STRATEGIC TRIANGLE TOLL STUDY

The Capital Area MPO, the Durham-Chapel Hill, Carrboro MPO, and NCDOT/NCTA are embarking on the development of a regional toll study. This strategic approach will identify the feasibility, applicability, and appropriateness of a variety of user pay systems for potential consideration across the Research Triangle region. Recommendations developed as part of this study will be used to inform the development of future Metropolitan Transportation Plan (MTP) updates. The study will utilize a needs-based planning process and engage area stakeholders, including local governments and the public, throughout the study process. Specifically, the effort will include a detailed level of analysis of current and future system needs, and provides recommendations for a regional decision-making framework to guide future toll/user pay policy decisions.

The Strategic Triangle Toll Study will span two fiscal years – FY 2017 and FY 2018 with a total estimated cost of \$400,000. This cost will be divided with \$200,000 in FY 2017 and \$200,000 in FY 2018.

FUNDING Partner	FY 17	FY 18	Total
CAMPO	\$ 75,000	\$ 50,000	\$125,000
DCHC MPO	\$ 25,000	\$ 50,000	\$ 75,000
NCDOT/NCTA	\$100,000	\$100,000	\$200,000
Total	\$200,000	\$200,000	\$400,000

CSX-Durham Southern Rail Corridor Feasibility Study (submitted by TOC)

Project Type

Corridor Study

Project Supporters:

Town of Cary
Town of Apex
City of Durham – TBD
Durham County – TBD
Go Triangle – TBD
Research Triangle Park - TBD
Capital Area Metropolitan Planning Organization (CAMPO)
Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC)

No match has been agreed upon, 20% total from all local governments would be customary.

General Cost Estimate:

\$400,000

General Study Area:

The study area would be an approximate 20-mile section of rail line extending from downtown Apex to downtown Durham.

Description of Need:

This rail corridor is used a maximum of two times daily on week days for freight between the City of Durham and the Town of Apex. The rail line does not have a regular weekend schedule and there are no current or planned passenger trains on this rail line. This facility is a vital corridor that if planned correctly will provide an array of transportation options to the citizens of Apex, Cary, and Durham. Planning for this corridor will be essential to the future infrastructure needs of the Triangle region of North Carolina.

Project Description:

A Corridor Study to examine the existing corridor conditions and potential options for use as a connection from downtown Apex through Cary to downtown Durham. The study will need to specifically address the opportunities for commuter rail and multi-modal transportation uses, including impacts to land use in the local communities and a cost versus economic development benefit analysis.

Desired FY Funding: FY 17

Submitted by TJCOG/John Hodges-Copple:

While it is still fresh in my mind after today's MPO TC meeting, I think there is some initial interest in possibly doing a fairly significant multi-partner project to look at commuter rail service not only within Wake County (or even CAMPO for that matter), but connecting potentially as far west as Mebane and east as Selma with components that might use the CSX S line north from the Boylan Wye and south from the Cary CBD. This may or may not dovetail with/expand on what Wake County comes out with as part of the current transit investment strategy, and would follow up on what is expected to soon be released by NCRRT in their capacity study. CAMPO would likely want to be a contributing partner if this happens, so want to make sure it gets in the "special studies" conversation for the FY17 UPWP at the end of October.

Others:

NC 98 Corridor Study

Regional Tolling Study

Hot Spots

- NC 55 Bypass functional design
- US 1 / Capital Blvd at I-440 Interchange

NC 98 Corridor Study

FUNDING Partner	FY 17	FY 18	Total
CAMPO	\$ 125,000	\$ -	\$ 125,000
DCHC MPO	\$ -	\$ 75,000	\$ 75,000
NCDOT		\$ 100,000	\$ 100,000
Total		\$ -	\$ 300,000

Strategic Triangle Toll Study

FUNDING Partner	FY 17	FY 18	Total
CAMPO	\$ 75,000	\$ 50,000	\$ 125,000
DCHC MPO	\$ 25,000	\$ 50,000	\$ 75,000
NCDOT/NCTA	\$ 100,000	\$ 100,000	\$ 200,000
Total	\$ 200,000	\$ 200,000	\$ 400,000

CSX Rail Corridor Study

FUNDING Partner	FY 17	FY 18	Total	
CAMPO	\$ 70,000	\$ 50,000	\$ 120,000	30%
DCHC MPO	\$ 50,000	\$ 50,000	\$ 100,000	25%
NCDOT-Rail	\$ 50,000	\$ 50,000	\$ 100,000	25%
RTP	\$ 15,000	\$ 15,000	\$ 30,000	8%
CSX	\$ 10,000	\$ -	\$ 10,000	3%
Town of Cary	\$ 25,000	\$ -	\$ 25,000	6%
Town of Apex	\$ 15,000	\$ -	\$ 15,000	4%
Total	\$ 235,000	\$ 165,000	\$ 400,000	100%

NC Highway 54 West Corridor Study Scope

The NC Highway 54 corridor from Carrboro heading west to Alamance County has been the subject of discussion amongst neighboring jurisdictions and NCDOT over the past several years. The corridor in question runs from Old Fayetteville Road in the east to Interstate 85 in Graham in the west. The road currently experiences between 13,000 and 15,000 daily vehicles at western edge of the study corridor. Highway 54 runs through two watershed protection areas and is near at least one known historic resource. The area is rural, primarily low-density residential, and is extremely popular among recreational bicyclists.

In 2013 Orange County submitted a project to widen the corridor to a four lane road with median to SPOT 3.0 and it was not funded in the current STIP, though the project remained in the 'holding tank' for SPOT 4.0. Carrboro opposed the widening and the MPO Board unanimously agreed to not accept a donation of points for the scoring of the project. NCDOT submitted the widening project to SPOT 4.0 despite opposition from Carrboro and Orange County. The two jurisdictions agreed to submit intersection and corridor safety improvement projects to SPOT 4.0 independent from the widening. The Town of Carrboro and Orange County believe that the contextual information about the significant and longstanding historical, planning, and transportation-alternative interests in the area provides support for the need for a corridor study to determine how best to maintain and improve mobility and access along NC 54.

The study should include:

- Analysis of existing conditions/Articulation of problem
 - Land use
 - State and local ordinances
 - Travel patterns and behaviors
 - ADT and hourly
 - O/D
 - Bike/ped
 - Historic trends
 - Transit service
- Future conditions
 - Land use/development potential
 - Travel patterns/behaviors
 - Employment changes (e.g. UNC and UNC Hospitals)
 - New transit/commute options
- Alternatives evaluation (including potential for bike and ped facilities; impacts on land use, environment, historic properties; ripple effects on other commute routes)
 - No-build
 - Context sensitive
 - Capacity expansion
- Strategies
 - Short-term vs. long-term

Total project cost: \$150,000

- Local match (tentative) share between Carrboro and Orange County:
 - Orange = \$19,200
 - Carrboro = \$ 10,800
 - Local match financial participation is being sought for NCDOT Division 7 and Burlington Graham MPO which would reduce Orange County and Carrboro match.