



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090326

Mode: Highway

Status: Submitted

(New Route - Martin Luther King, Jr. Parkway Extension)

From/Cross Street: NC 55

Specific Improvement Type: 5 - Construct Roadway on New Location

To: Cornwallis Road

Project Category: Regional Impact

Length: 0.13

TIP#: U-2405

Fully Funded in Draft STIP? No

Cost to NCDOT: \$25,510,000

Description:

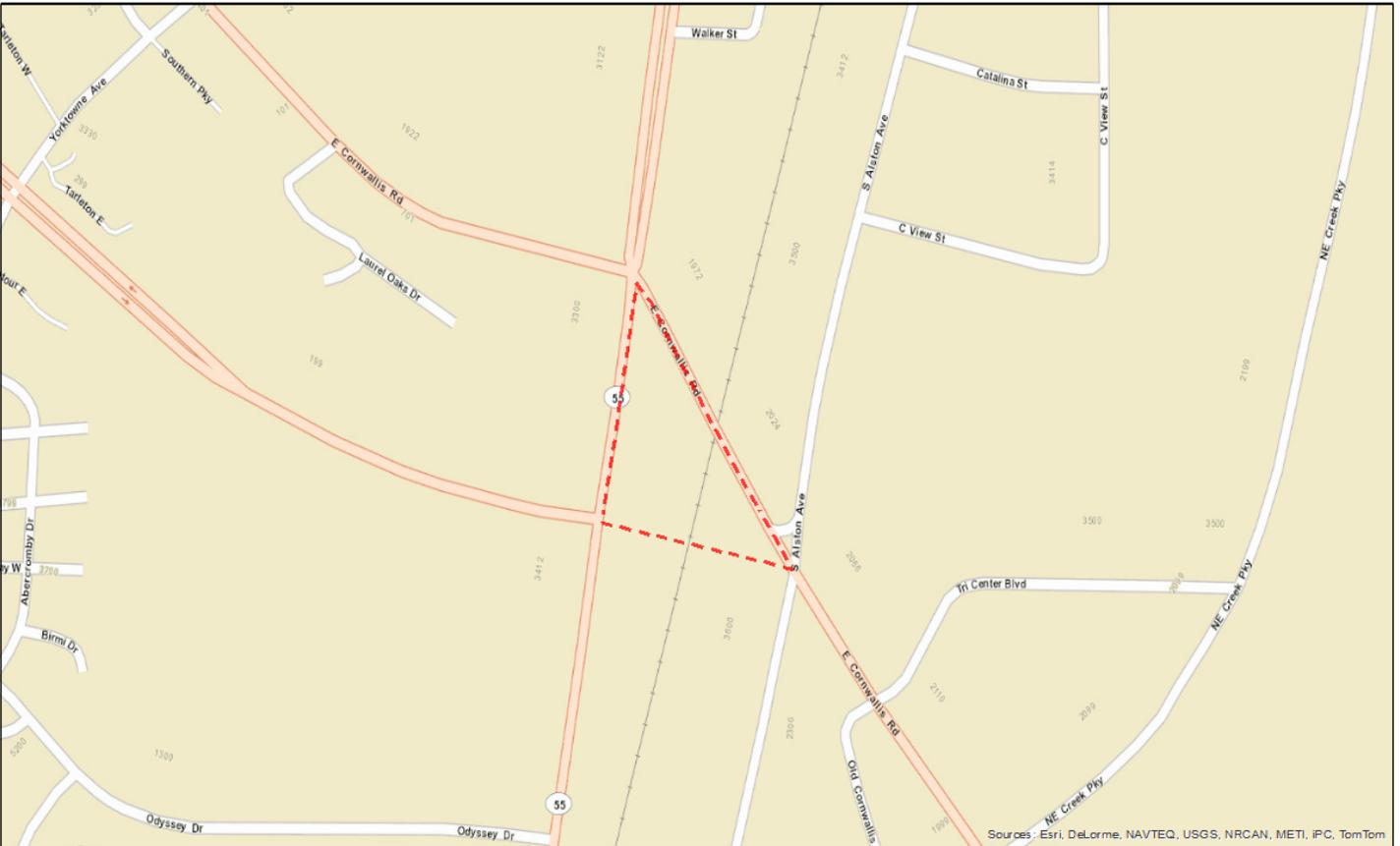
NC 55 to Cornwallis Road. Pedestrian, Bicycle, and Transit Facilities.

Division(s): Division 5

County(s): DURHAM

MPOS(s)/RPO(s): Durham Chapel Hill Carrboro MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 45.36	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 79.36		
[Travel Time] Benefit/Cost (25%) 1.21		
Accessibility / Connectivity (10%) 4.95		
Totals: Weight: 70% Weighted Score: 20.07		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 45.36	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 79.36		
[Travel Time] Benefit/Cost (20%) 1.21		
Totals: Weight: 50% Weighted Score: 17.25		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	0.4
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	14837.9
Capacity:	22580.29
Volume/Capacity Ratio:	0.66
% Autos:	96%
% Trucks:	4%
Truck Volume:	556.42
Crash Density:	85.37
Crash Severity:	54.33
Critical Crash Rate:	98.42
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	93
Actual Congested Speed:	35.87
Travel Time Index:	1.25

Project Benefits

Project Cross-Section:	4D - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	0.13
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1378312.38
Travel Time Savings for 30 Years (Autos):	1326625.67
Travel Time Savings for 30 Years (Trucks):	51686.71
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 5	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Durham Chapel Hill Carrboro MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$25,194,000	TIP Unit
Right-of-Way Cost:	\$282,000	Cost Estimation Tool
Utilities Cost:	\$34,000	Cost Estimation Tool
Total Project Cost:	\$25,510,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$25,510,000	