



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140663

Mode: Highway

Status: Submitted

SR-1158 (Cornwallis Rd)

From/Cross Street: NC 55

Specific Improvement Type: 1 - Widen Existing Roadway

To: TW Alexander Dr

Project Category: Division Needs

Length: 1.16

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$9,119,000

Description:

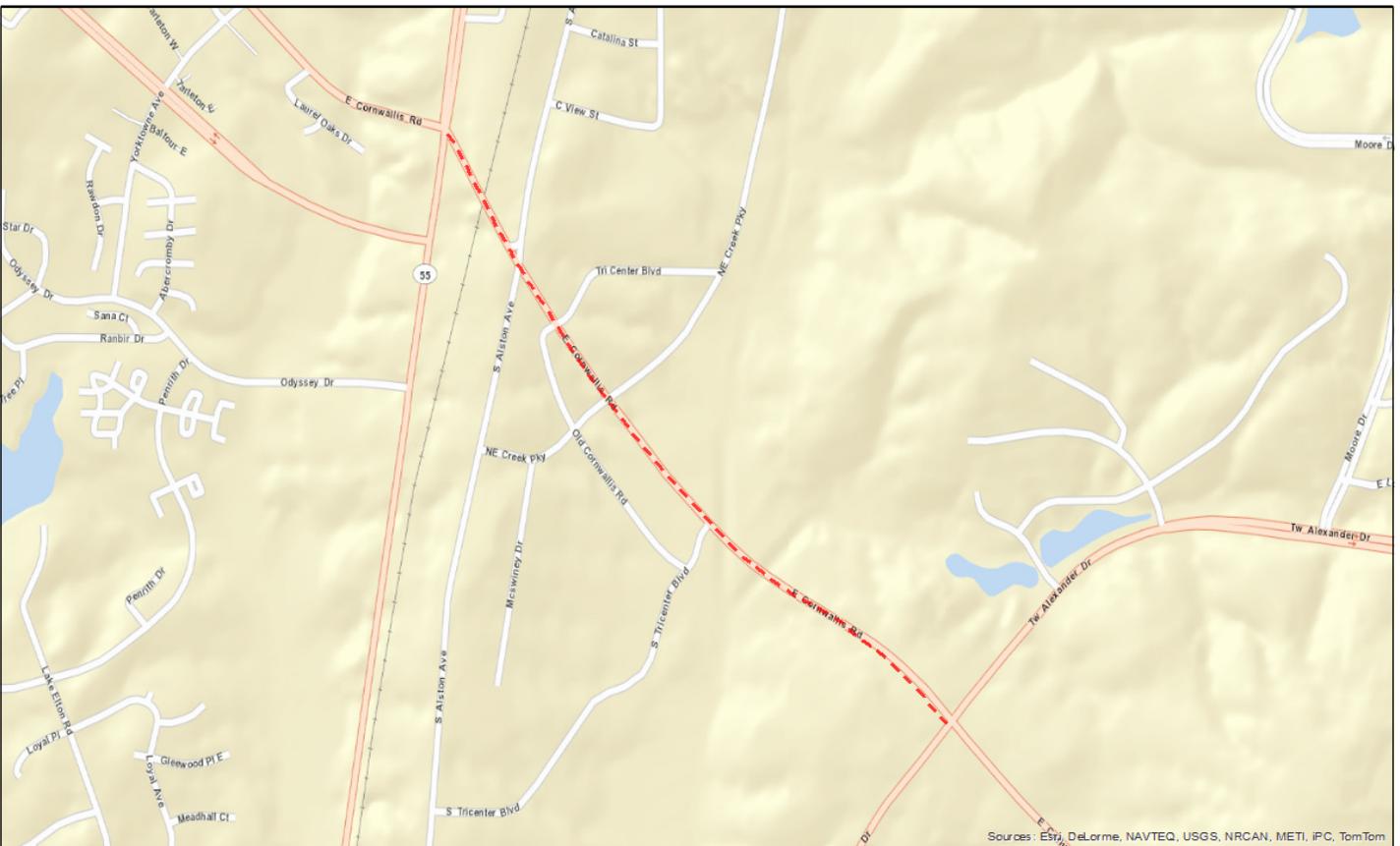
Widen to four lanes.

Division(s): Division 5

County(s): DURHAM

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

Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IFC, TomTom

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
	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 0% Weighted Score: 0		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 33.90	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 68.83		
[Travel Time] Benefit/Cost (20%) 0.44		
Totals: Weight: 50% Weighted Score: 13.75		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	1.16
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):	9784.61
Capacity:	19579.67
Volume/Capacity Ratio:	0.5
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	68.79
Crash Severity:	83.18
Critical Crash Rate:	54.54
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	15
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	89
Actual Congested Speed:	33.65
Travel Time Index:	1.34

Project Benefits

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	45
Length (miles):	1.16
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	164629.02
Travel Time Savings for 30 Years (Autos):	164629.02
Travel Time Savings for 30 Years (Trucks):	0
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?	Yes
CTP/LRTP Name:	2040 MTP
CTP/LRTP Completion Year:	2013
Submitted by:	Durham Chapel Hill Carrboro MPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine 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:	\$8,411,000	Cost Estimation Tool
Right-of-Way Cost:	\$632,000	Cost Estimation Tool
Utilities Cost:	\$76,000	Cost Estimation Tool
Total Project Cost:	\$9,119,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$9,119,000	