



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090680

Mode: Highway

Status: Submitted

## (Concord Lake Road/Branchview Drive)

From/Cross Street: Dale Earnhardt Boulevard

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 601

Project Category: Regional Impact

Length: 7.98

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$63,359,000

### Description:

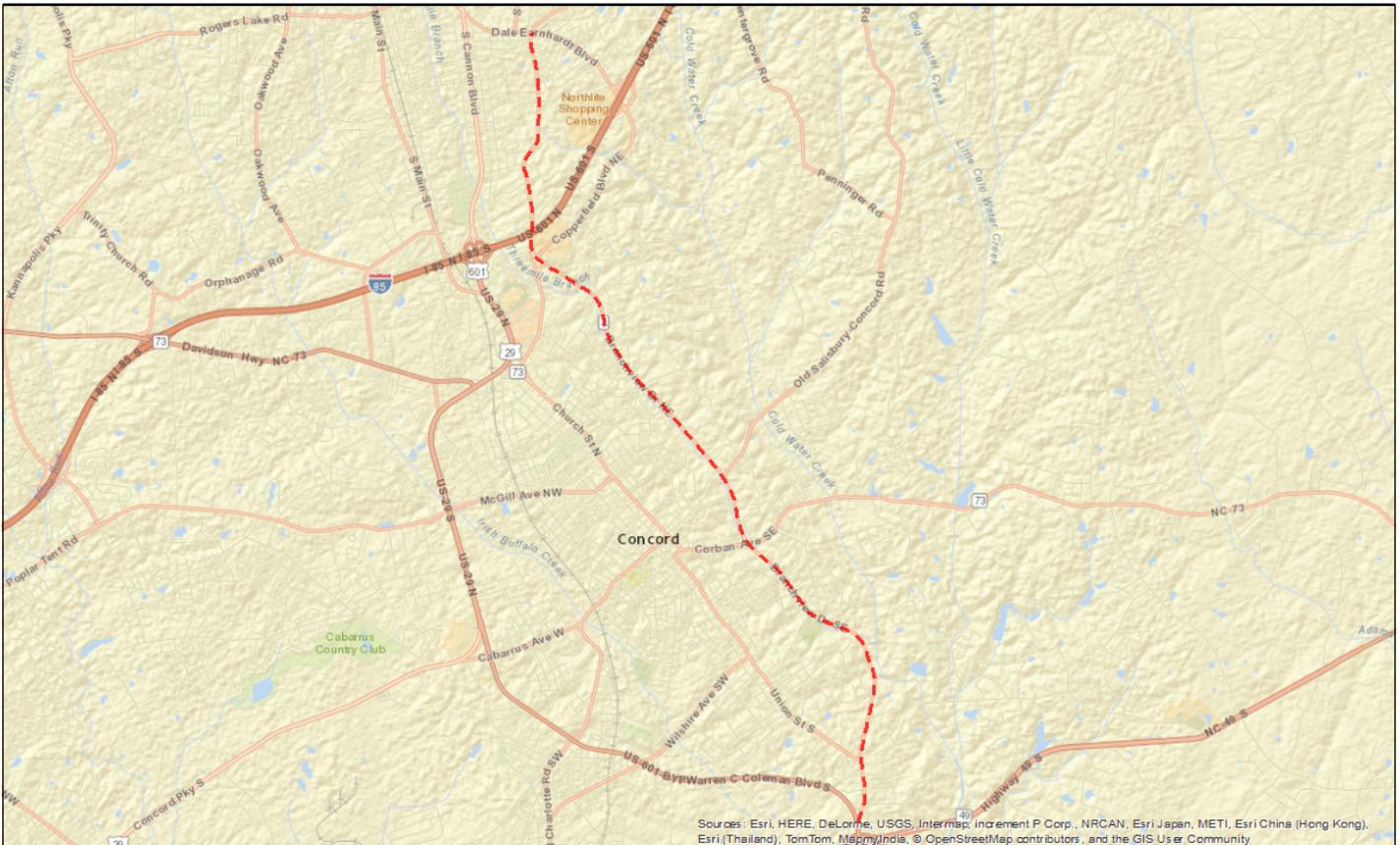
Widen Branchview/Concord Lake Road from 2 Lanes to 4 Lanes from US 601 to Dale Earnhardt Boulevard in Kannapolis.

Division(s): Division 10

County(s): CABARRUS

MPOS(s)/RPO(s): Cabarrus Rowan MPO

### Project Location



**Statewide Mobility Total Score: 0**

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

**Regional Impact Total Score: 54.4**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Accessibility / Connectivity (10%) 12.96	Percent: 15% Points: 100	Percent: 15% Points: 100
Congestion (V/C) (25%) 62.08		
Safety (10%) 66.52		
[Travel Time] Benefit/Cost (25%) 3.74		
<b>Totals: Weight: 70% Weighted Score: 24.4</b>		

**Division Needs Total Score: 44.82**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 62.08	Percent: 25% Points: 0	Percent: 25% Points: 100
Safety (10%) 66.52		
[Travel Time] Benefit/Cost (20%) 3.74		
<b>Totals: Weight: 50% Weighted Score: 19.82</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	47
Length (miles):	7.98
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	14887.92
Capacity:	15916.95
Volume/Capacity Ratio:	0.94
% Autos:	97%
% Trucks:	3%
Truck Volume:	463.66
Crash Density:	72.76
Crash Severity:	68.63
Critical Crash Rate:	58.2
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	97
Actual Congested Speed:	25.77
Travel Time Index:	1.26

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	7.98
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):	10630311.13
Travel Time Savings for 30 Years (Autos):	10299244.62
Travel Time Savings for 30 Years (Trucks):	331066.51
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 10

\* 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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 10	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Cabarrus Rowan MPO	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$54,036,000	TIP Unit
Right-of-Way Cost:	\$8,324,000	Cost Estimation Tool
Utilities Cost:	\$999,000	Cost Estimation Tool
Total Project Cost:	\$63,359,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$63,359,000</b>	