



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090677

**Mode:** Highway

**Status:** Submitted

## (Poplar Tent Road)

**From/Cross Street:** Derita Road

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** NC 73

**Project Category:** Division Needs

**Length:** 4.22

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$37,746,000

### Description:

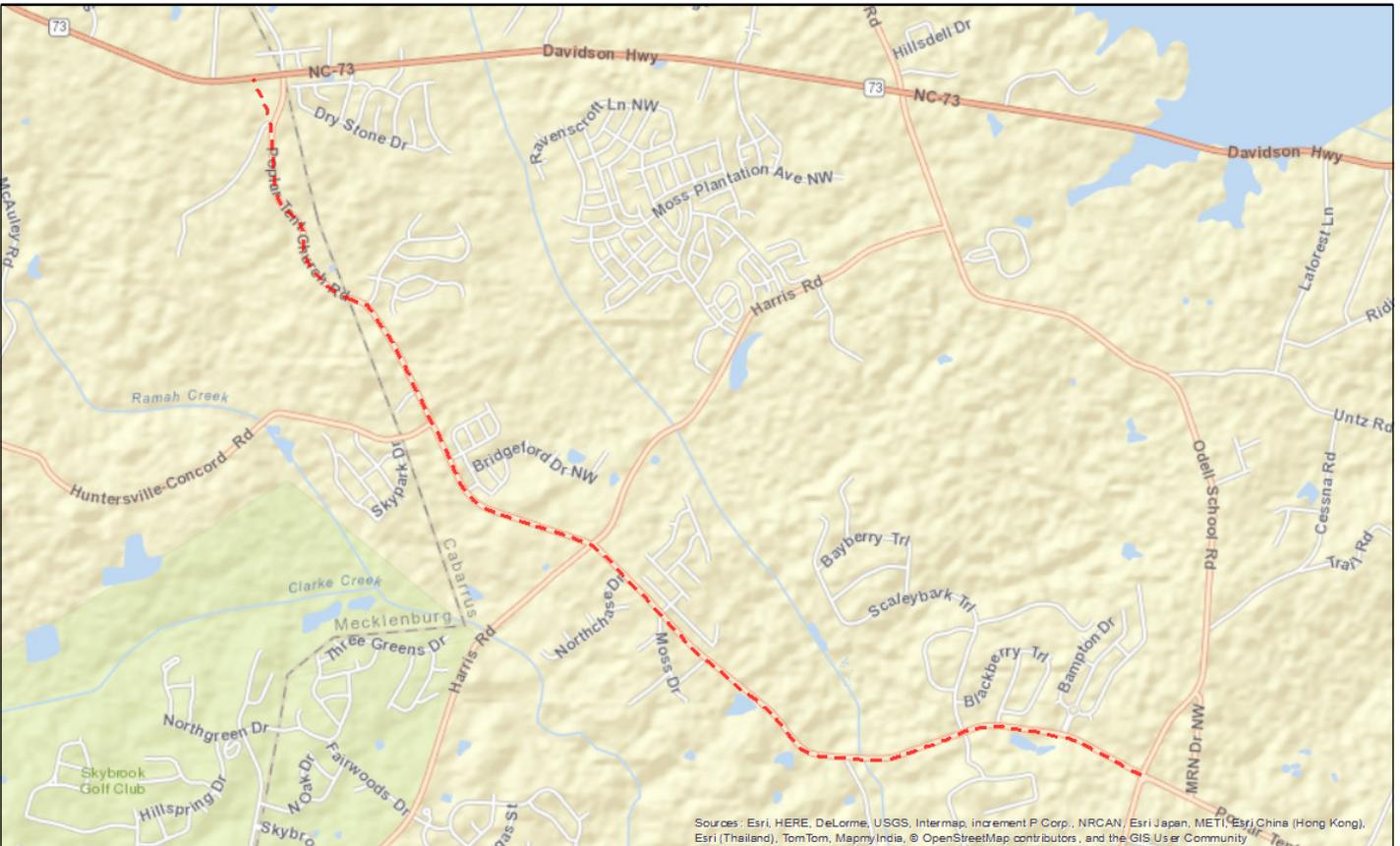
Widen Poplar Tent Road from 2 Lanes to 4 Lanes from Derita Road to NC 73.

**Division(s):** Division 10

**County(s):** CABARRUS, MECKLENBURG

**MPOS(s)/RPO(s):** Cabarrus Rowan MPO, Charlotte Regional Transportation Planning Organization

### 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: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
	Percent: 15% Points: 0	Percent: 15% Points: 0
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Division Needs Total Score: 69.18**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%)                      60.08	Percent: 25% Points: 100	Percent: 25% Points: 100
Safety (10%)                                      68.39		
[Travel Time] Benefit/Cost (20%)            1.63		
<b>Totals: Weight: 50% Weighted Score: 19.18</b>		

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

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	4.22
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	14312.67
Capacity:	15800
Volume/Capacity Ratio:	0.91
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	96.41
Crash Severity:	71.49
Critical Crash Rate:	37.3
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	26
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	92
Actual Congested Speed:	35.45
Travel Time Index:	1.27

**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):	4.22
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):	2794307.99
Travel Time Savings for 30 Years (Autos):	2794307.99
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?	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!ine tool and associated databases.

**Project Ownership**

**Division**

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

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Cabarrus Rowan MPO	80%	0	80
Charlotte Regional Transportation Planning Organization	20%	0	20
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$31,920,000	TIP Unit
Right-of-Way Cost:	\$5,202,000	Cost Estimation Tool
Utilities Cost:	\$624,000	Cost Estimation Tool
Total Project Cost:	\$37,746,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$37,746,000</b>	