



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111273

Mode: Highway

Status: Submitted

SR-2833 (Mallard Creek Church Road Extension)

From/Cross Street: NC 49

Specific Improvement Type: 5 - Construct Roadway on New Location

To: SR 2827 (Back Creek Church Road)

Project Category: Division Needs

Length: 1.12

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$22,981,000

Description:

Construct Multi-Lanes on New Location (Road is part of Charlotte's Eastern Circumferential Road in the Future)

Division(s): Division 10

County(s): MECKLENBURG

MPOS(s)/RPO(s): Charlotte Regional Transportation Planning Organization

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
	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%) 46.17	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 43.32		
[Travel Time] Benefit/Cost (20%) 1.54		
Totals: Weight: 50% Weighted Score: 13.87		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	43
Length (miles);	1.4
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Local
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	11000
Capacity:	15800
Volume/Capacity Ratio:	0.7
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	65.5
Crash Severity:	34.63
Critical Crash Rate:	29.86
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	38
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	76
Actual Congested Speed:	0
Travel Time Index:	0

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):	1.12
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):	1609109.93
Travel Time Savings for 30 Years (Autos):	1609109.93
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	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Charlotte Regional Transportation Planning Organization	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$18,240,000	TIP Unit
Right-of-Way Cost:	\$4,233,000	Cost Estimation Tool
Utilities Cost:	\$508,000	Cost Estimation Tool
Total Project Cost:	\$22,981,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$22,981,000	