



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090511

Mode: Highway

Status: Submitted

## NC-51

From/Cross Street: Matthews Township Parkway

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 3128 (Lawyers Road)

Project Category: Regional Impact

Length: 3.94

TIP#: U-5007

Fully Funded in Draft STIP? No

Cost to NCDOT: \$34,904,000

### Description:

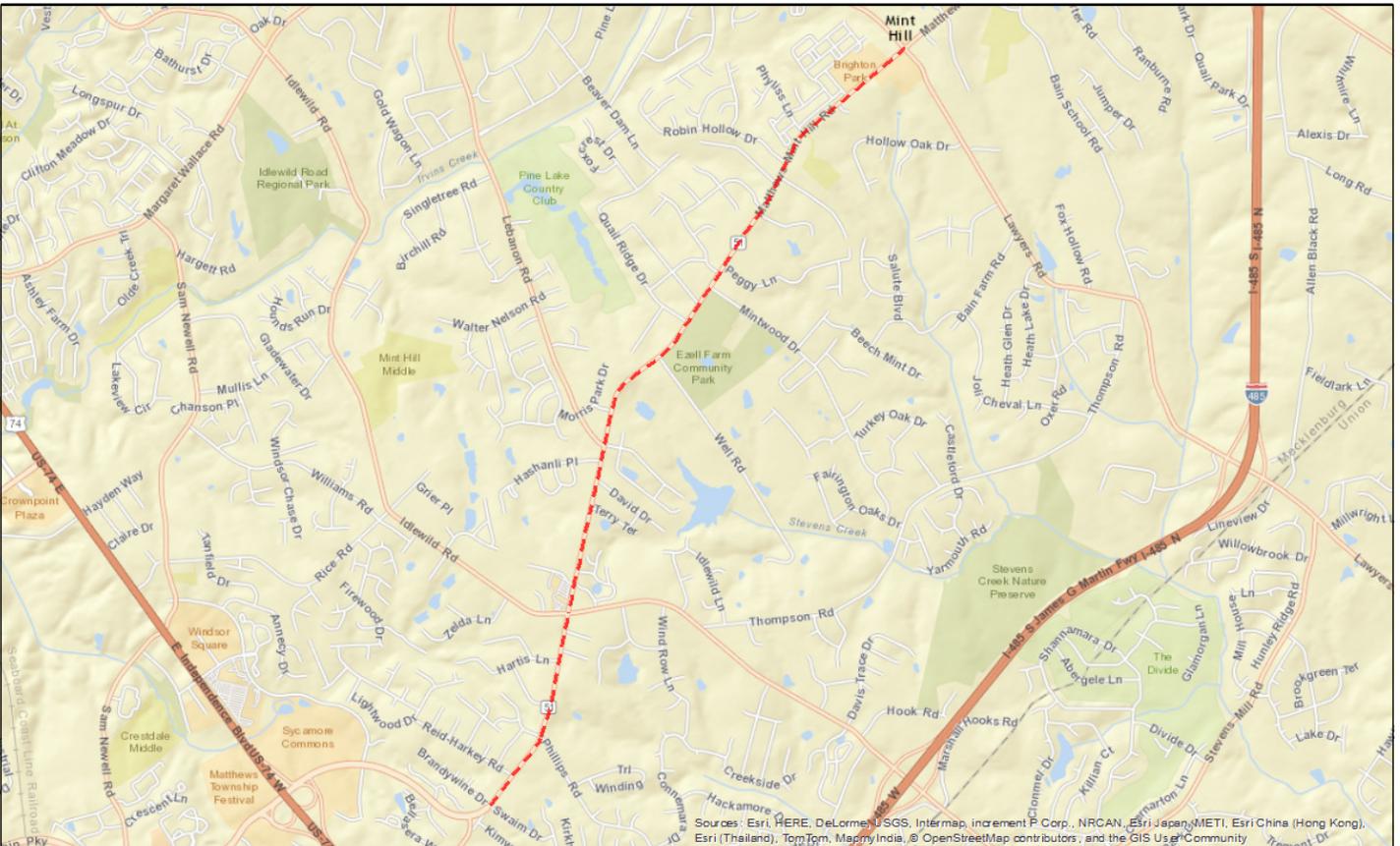
Matthews township Parkway to SR 3128 (Lawyers Road). Widen to Multi-Lanes.

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
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Regional Impact Total Score: 56.38**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 65.77	Percent: 15% Points: 100	Percent: 15% Points: 100
Congestion (V/C) (25%) 64.30		
[Travel Time] Benefit/Cost (25%) 6.49		
Accessibility / Connectivity (10%) 21.11		
<b>Totals: Weight: 70% Weighted Score: 26.38</b>		

**Division Needs Total Score: 20.73**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 65.77	Percent: 25% Points: 0	Percent: 25% Points: 0
[Travel Time] Benefit/Cost (20%) 6.49		
Congestion (V/C) (20%) 64.30		
<b>Totals: Weight: 50% Weighted Score: 20.73</b>		

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

Existing Cross-Section:	
Speed Limit:	37
Length (miles):	3.94
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	15318.79
Capacity:	15800
Volume/Capacity Ratio:	0.97
% Autos:	97%
% Trucks:	3%
Truck Volume:	476.36
Crash Density:	68.6
Crash Severity:	77.04
Critical Crash Rate:	51.69
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	79
Actual Congested Speed:	37.94
Travel Time Index:	0.99

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	40
Length (miles):	3.94
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	10161350.81
Travel Time Savings for 30 Years (Autos):	9845366.31
Travel Time Savings for 30 Years (Trucks):	315984.5
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**

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

**MPO/RPO**

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

**Project Cost and Source**

Construction Cost:	\$30,449,000	TIP Unit
Right-of-Way Cost:	\$0	TIP Unit
Utilities Cost:	\$4,455,000	TIP Unit
Total Project Cost:	\$34,904,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$34,904,000</b>	