



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140210

Mode: Highway

Status: Submitted

NC-16 (Brookshire Boulevard)

From/Cross Street: East of Idaho Drive

Specific Improvement Type: 11 - Access Management

To: Interstate 85

Project Category: Regional Impact

Length: 0.79

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$1,952,000

Description:

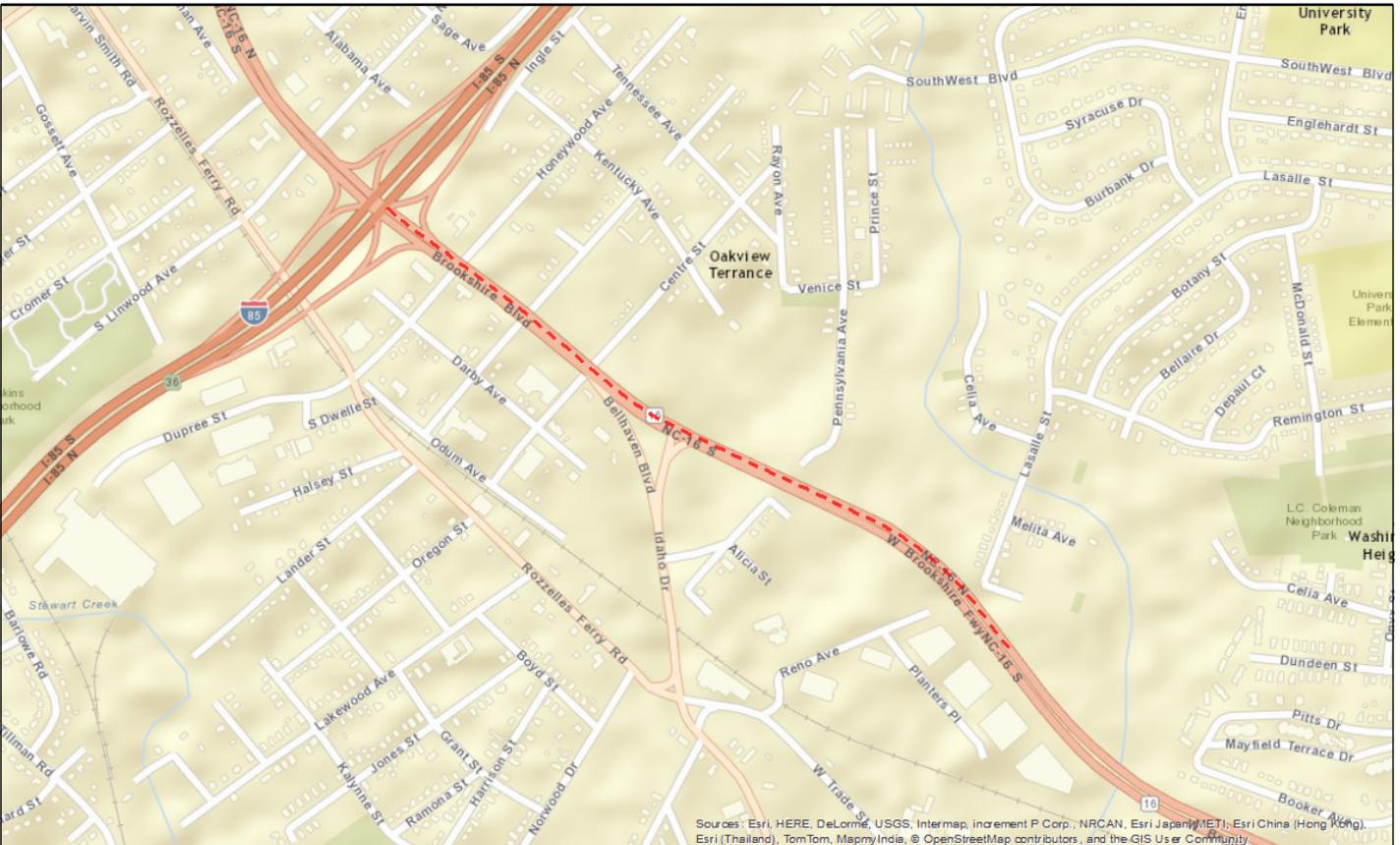
Upgrade a segment of Brookshire Blvd from an arterial to a freeway cross-section. This will provide reduced travel times from northwest areas of Mecklenburg County.

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: 44.67

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 73.67	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%) 50.80		
[Travel Time] Benefit/Cost (25%) 13.51		
Accessibility / Connectivity (10%) 27.92		
Totals: Weight: 70% Weighted Score: 29.67		

Division Needs Total Score: 22.52

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 73.67	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 50.80		
[Travel Time] Benefit/Cost (20%) 13.51		
Totals: Weight: 50% Weighted Score: 22.52		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	0.79
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	7
Roadway has Curb & Gutter?	No
Volume (AADT):	47770.39
Capacity:	52533.6
Volume/Capacity Ratio:	0.91
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	36.78
Crash Severity:	78.86
Critical Crash Rate:	36.78
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):	Divided
Pavement Condition Rating:	100
Actual Congested Speed:	39.54
Travel Time Index:	1.39

Project Benefits

Project Cross-Section:	6B - 6 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	55
Length (miles):	0.79
Facility Type:	Multi-Lane Highway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	1217570.35
Travel Time Savings for 30 Years (Autos):	1217570.35
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:	Charlotte Regional Transportation Planning Organization

* 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%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$1,416,000	TIP Unit
Right-of-Way Cost:	\$206,000	TIP Unit
Utilities Cost:	\$330,000	TIP Unit
Total Project Cost:	\$1,952,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$1,952,000	