



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140272

Mode: Highway

Status: Submitted

US-74, NC-27 (Independence Boulevard, Independence Boulevard)

From/Cross Street: NC 27 (Albemarle Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: I-277 (Belk/Brookshire Freeways)

Project Category: Statewide Mobility

Length: 3.65

TIP#: U-5526

Fully Funded in Draft STIP? **Yes** Statewide Mobility

Cost to NCDOT: \$6,930,000

Description:

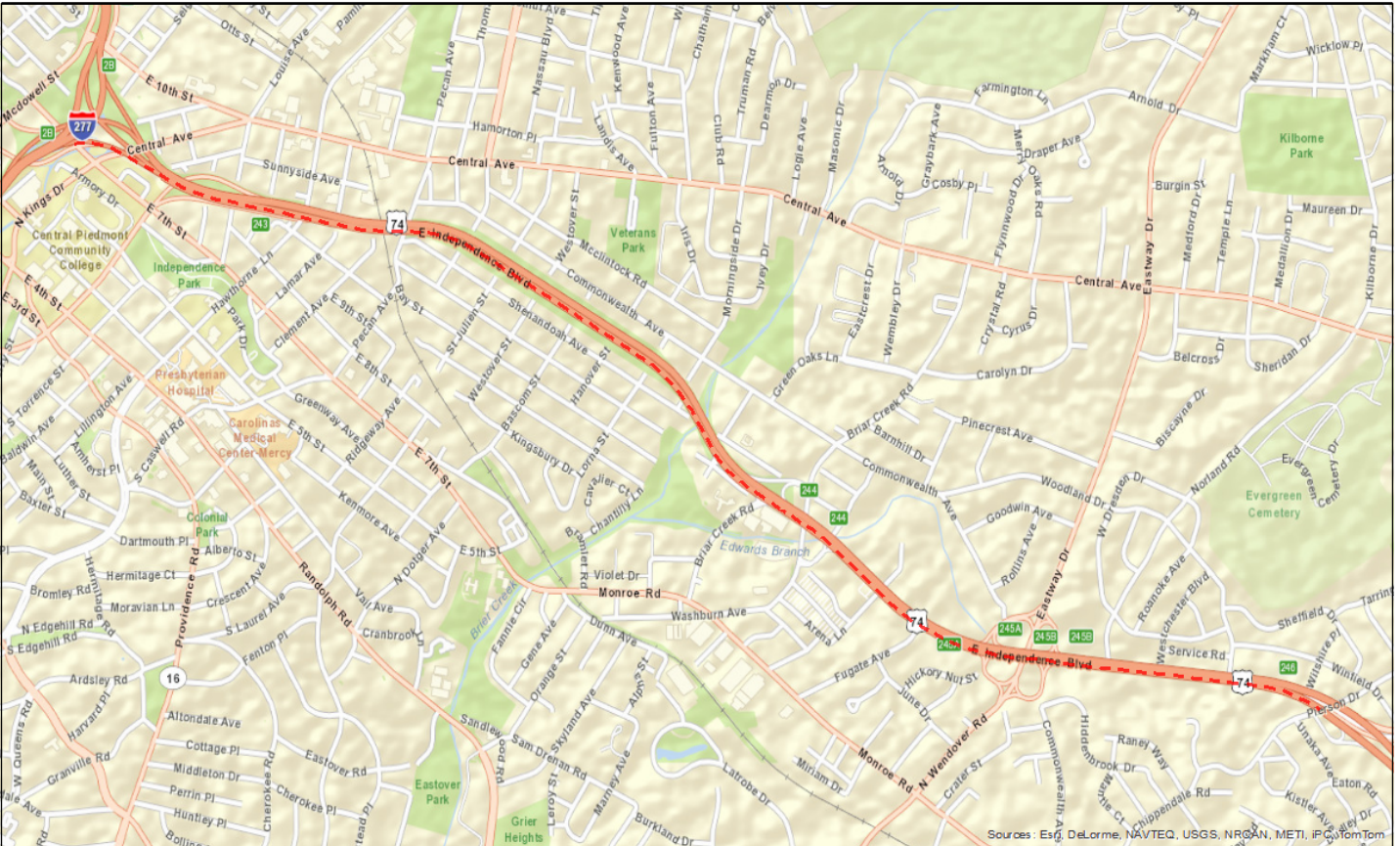
Convert bus lanes to reversible managed (HOT) lanes. Laneage and jersey barriers are already in place. The scope of this project would include the new gantries, striping and gates. Estimated cost is about \$15 Million. There was not an appropriate improvement selection for this project so cross-section 8D was selected. See email documentation from SPOT in link below:

Division(s): Division 10

County(s): MECKLENBURG

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

Project Location



Statewide Mobility Total Score: 74.5

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 97.82	N/A	N/A
Safety (10%) 88.08		
Economic Competitiveness (10%) 34.45		
Multimodal + [Freight & Military] (20%) 40.89		
[Travel Time] Benefit/Cost (30%) 82.42		
Totals: Weight: 100% Weighted Score: 74.5		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 97.82	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 88.08		
[Travel Time] Benefit/Cost (25%) 82.42		
Accessibility / Connectivity (10%) 100.00		
Totals: Weight: 70% Weighted Score: 63.87		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 97.82	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 88.08		
[Travel Time] Benefit/Cost (20%) 82.42		
Totals: Weight: 50% Weighted Score: 44.85		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles);	3.65
Facility Type:	Multi-Lane Highway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	94765.55
Capacity:	94908.65
Volume/Capacity Ratio:	1
% Autos:	97%
% Trucks:	3%
Truck Volume:	3186.29
Crash Density:	91.2
Crash Severity:	91.2
Critical Crash Rate:	81.86
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	94
Actual Congested Speed:	39.97
Travel Time Index:	1.25

Project Benefits

Project Cross-Section:	8D - 8 Lane Freeway (6 General Purpose Lanes, 2 Managed Lanes, and 27' Median with Jersey Barrier) with Paved Shoulders
Speed Limit:	55
Length (miles):	3.65
Facility Type:	Freeway
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):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	407.62
% Change in Economy:	0.00028143
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
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%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$13,620,000	TIP Unit
Right-of-Way Cost:	\$0	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$13,620,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$6,930,000	