



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140747

Mode: Highway

Status: Submitted

I-85

From/Cross Street: SR 1632 (Red Mill Rd)

Specific Improvement Type: 16 - Modernize Roadway

To: Bridge over Falls Lake

Project Category: Statewide Mobility

Length: 2.8

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$4,135,000

Description:

Rehabilitate Pavement

Division(s): Division 5

County(s): DURHAM, GRANVILLE

MPOS(s)/RPO(s): Durham Chapel Hill Carrboro MPO, Kerr-Tar RPO

Project Location



Statewide Mobility Total Score: 27.02

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 53.98	N/A	N/A
Safety (10%) 58.15		
Economic Competitiveness (10%) 0.00		
Multimodal + [Freight & Military] (20%) 25.08		
[Travel Time] Benefit/Cost (30%) 0.00		
Totals: Weight: 100% Weighted Score: 27.02		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 53.98	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 58.15		
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 19.67		
Totals: Weight: 70% Weighted Score: 21.28		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 53.98	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 58.15		
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 50% Weighted Score: 16.61		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	60
Length (miles);	2.8
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	41000.02
Capacity:	65467.68
Volume/Capacity Ratio:	0.63
% Autos:	88%
% Trucks:	12%
Truck Volume:	5015.04
Crash Density:	55.69
Crash Severity:	63.08
Critical Crash Rate:	55.69
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	94
Actual Congested Speed:	63.46
Travel Time Index:	0.95

Project Benefits

Project Cross-Section:	
Speed Limit:	60
Length (miles):	2.8
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
TerrainType:	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:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

* 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 5	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Durham Chapel Hill Carrboro MPO	100%	0	0
Kerr-Tar RPO	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$4,135,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$4,135,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$4,135,000	