



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H129603-B

**Mode:** Highway

**Status:** Submitted

## I-85, US-15

**From/Cross Street:** SR 1675 (Glenn School Road)

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** SR 1632 (Red Mill Road)

**Project Category:** Statewide Mobility

**Length:** 1.74

**TIP#:** I-4743B

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$45,611,000

### Description:

Add Additional Lanes.

**Division(s):** Division 5

**County(s):** DURHAM

**MPOS(s)/RPO(s):** Durham Chapel Hill Carrboro MPO

### Project Location



**Statewide Mobility Total Score: 28.7**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 54.06	N/A	N/A
Safety (10%) 66.42		
Economic Competitiveness (10%) 1.74		
Multimodal + [Freight & Military] (20%) 27.30		
[Travel Time] Benefit/Cost (30%) 0.70		
<b>Totals: Weight: 100% Weighted Score: 28.7</b>		

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 54.06	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 66.42		
[Travel Time] Benefit/Cost (25%) 0.70		
Accessibility / Connectivity (10%) 20.67		
<b>Totals: Weight: 70% Weighted Score: 22.4</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 54.06	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 66.42		
[Travel Time] Benefit/Cost (20%) 0.70		
<b>Totals: Weight: 50% Weighted Score: 17.59</b>		

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

Existing Cross-Section:	
Speed Limit:	60
Length (miles);	1.74
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):	43995.91
Capacity:	72399.91
Volume/Capacity Ratio:	0.61
% Autos:	88%
% Trucks:	12%
Truck Volume:	5459.3
Crash Density:	71.15
Crash Severity:	66.56
Critical Crash Rate:	61.58
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:	93
Actual Congested Speed:	63.5
Travel Time Index:	0.94

**Project Benefits**

Project Cross-Section:	6B - 6 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	1.74
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):	1377623.59
Travel Time Savings for 30 Years (Autos):	1206678.93
Travel Time Savings for 30 Years (Trucks):	170944.66
Long-Term Employment:	20
% Change in Economy:	1.49E-05
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 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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 5	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Durham Chapel Hill Carrboro MPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$45,600,000	TIP Unit
Right-of-Way Cost:	\$10,000	Cost Estimation Tool
Utilities Cost:	\$1,000	Cost Estimation Tool
Total Project Cost:	\$45,611,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$45,611,000</b>	