



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141884

Mode: Highway

Status: Submitted

US-501 (Fordham Blvd)

From/Cross Street: NC 54, NC 86 (S. Columbia Street)

Specific Improvement Type: 8 - Improve Interchange

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$2,175,000

Description:

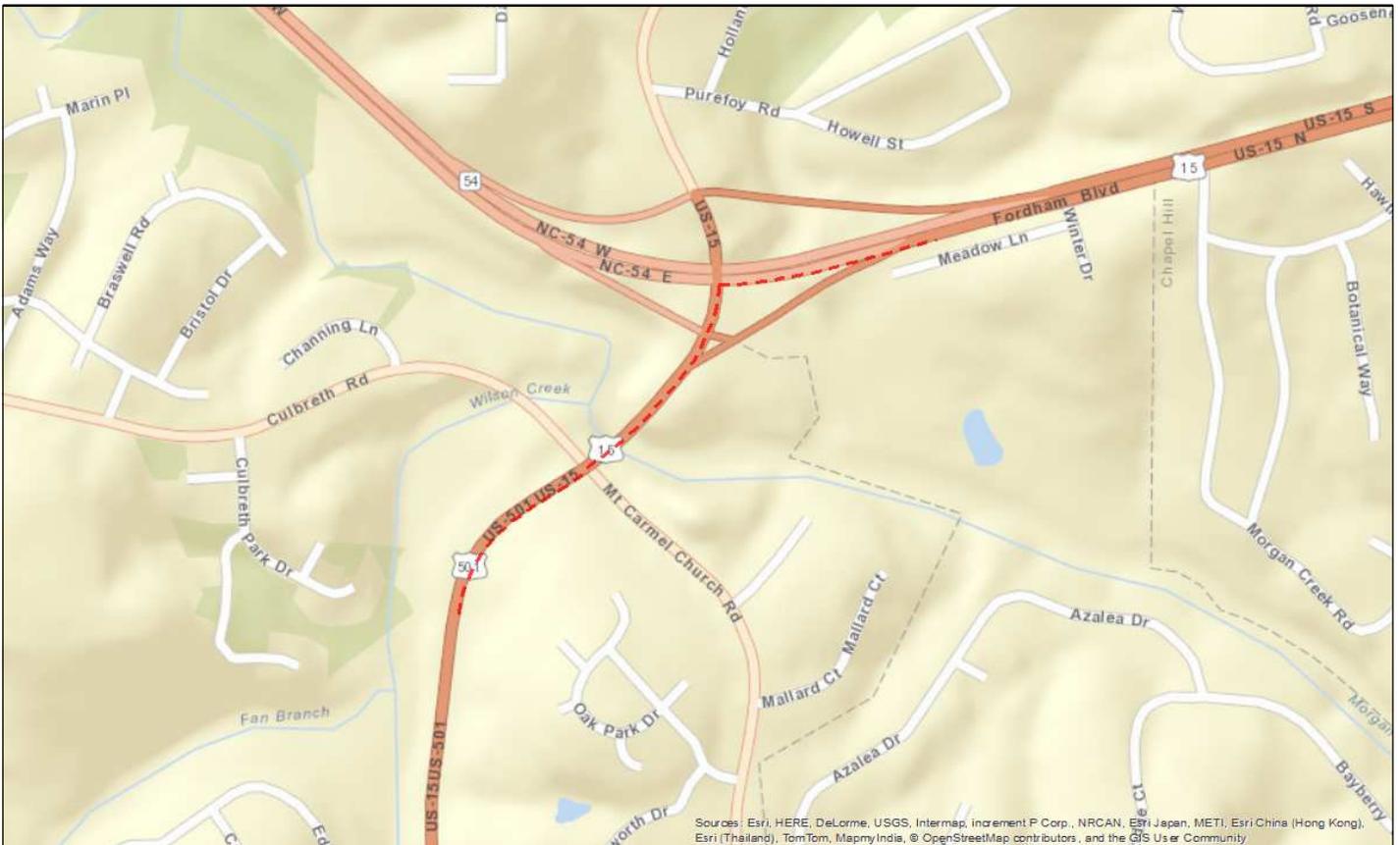
Construct additional lane for northbound to eastbound entry movement.

Division(s): Division 7

County(s): ORANGE

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

Project Location



Statewide Mobility Total Score: 39.94

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%)	66.65	N/A	N/A
Economic Competitiveness (10%)	3.08		
Multimodal + [Freight & Military] (20%)	10.87		
[Travel Time] Benefit/Cost (30%)	17.47		
Congestion (V/C) (30%)	85.17		
Totals: Weight: 100% Weighted Score: 39.94			

Regional Impact Total Score: 65.03

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	85.17	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%)	66.65		
[Travel Time] Benefit/Cost (25%)	17.47		
Accessibility / Connectivity (10%)	27.09		
Totals: Weight: 70% Weighted Score: 35.03			

Division Needs Total Score: 27.19

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%)	17.47	Percent: 25% Points: 0	Percent: 25% Points: 0
Congestion (V/C) (20%)	85.17		
Safety (10%)	66.65		
Totals: Weight: 50% Weighted Score: 27.19			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	2
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	Yes
Volume (AADT):	63256.58
Capacity:	63400
Volume/Capacity Ratio:	1
% Autos:	97%
% Trucks:	3%
Truck Volume:	2173.55
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	33.3
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	85
Actual Congested Speed:	39.03
Travel Time Index:	1.15

Project Benefits

Project Cross-Section:	
Speed Limit:	45
Length (miles):	2
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1703000
Travel Time Savings for 30 Years (Autos):	1644483.47
Travel Time Savings for 30 Years (Trucks):	58516.53
Long-Term Employment:	28.66
% Change in Economy:	3.29E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	2040 MTP
CTP/LRTP Completion Year:	2014
Submitted by:	Durham Chapel Hill Carrboro MPO

* 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 7	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$1,875,000	Cost Estimation Tool
Right-of-Way Cost:	\$300,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,175,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,175,000	