



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090240

Mode: Highway

Status: Submitted

US-1 ALT

From/Cross Street: Forbes Road

Specific Improvement Type: 1 - Widen Existing Roadway

To: Rogers Road

Project Category: Regional Impact

Length: 0.26

TIP#: R-3600

Fully Funded in Draft STIP? No

Cost to NCDOT: \$13,208,000

Description:

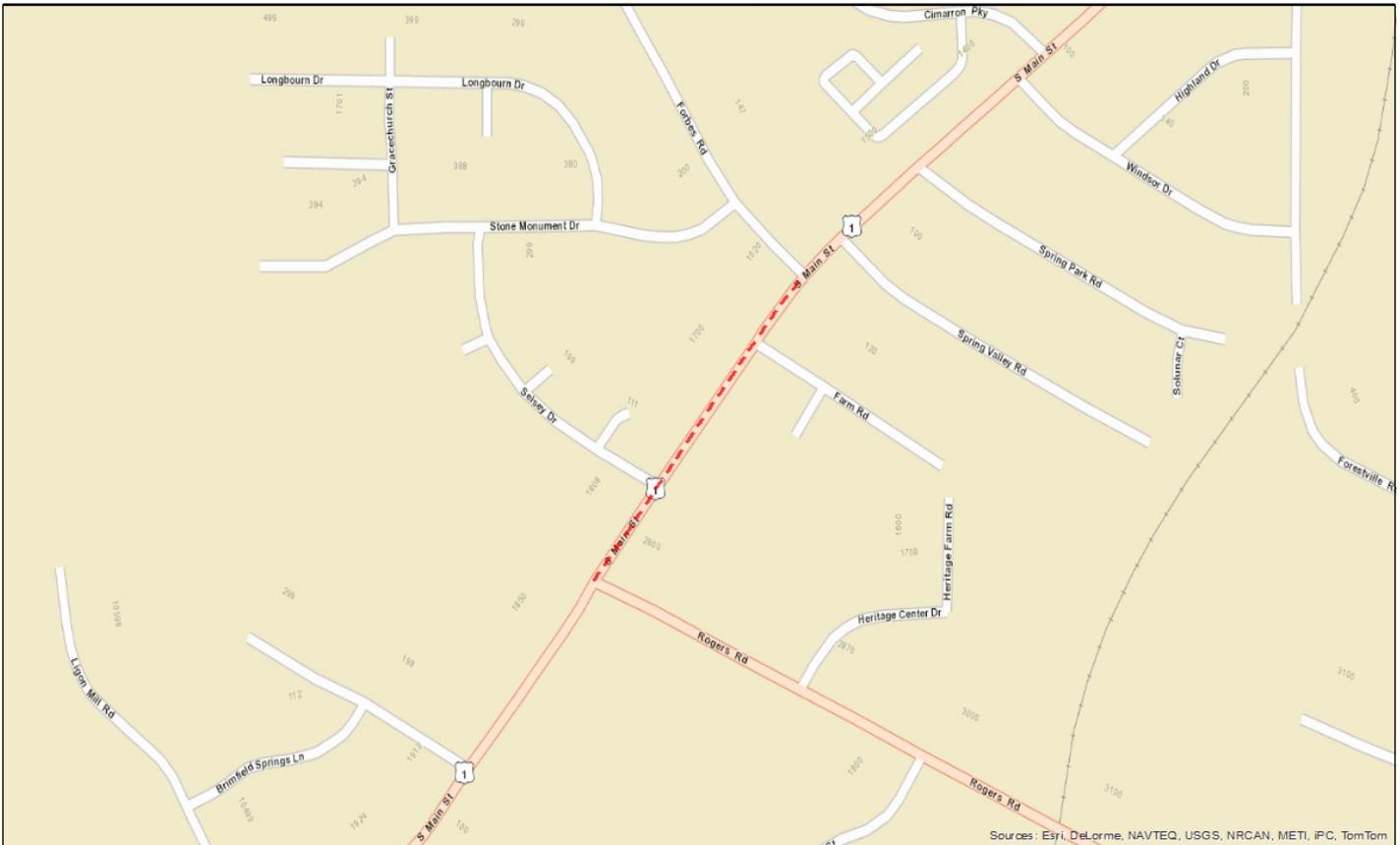
US-1A Widening to 4 Lanes

Division(s): Division 5

County(s): WAKE

MPOS(s)/RPO(s): Capital Area MPO

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: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 67.16	Percent: 15% Points:	Percent: 15% Points:
[Travel Time] Benefit/Cost (25%) 0.53		
Accessibility / Connectivity (10%) 17.33		
Safety (10%) 67.98		
Totals: Weight: 70% Weighted Score: 25.45		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 67.16	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 67.98		
[Travel Time] Benefit/Cost (20%) 0.53		
Totals: Weight: 50% Weighted Score: 20.34		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	0.26
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	16004.07
Capacity:	15804.02
Volume/Capacity Ratio:	1.01
% Autos:	97%
% Trucks:	3%
Truck Volume:	510.26
Crash Density:	79.07
Crash Severity:	66.45
Critical Crash Rate:	58.45
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):	Undivided
Pavement Condition Rating:	89
Actual Congested Speed:	28
Travel Time Index:	1.25

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	35
Length (miles):	0.26
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	313078.1
Travel Time Savings for 30 Years (Autos):	303096.2
Travel Time Savings for 30 Years (Trucks):	9981.9
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:	Division 5

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line 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
Capital Area MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$12,312,000	TIP Unit
Right-of-Way Cost:	\$800,000	Cost Estimation Tool
Utilities Cost:	\$96,000	Cost Estimation Tool
Total Project Cost:	\$13,208,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$13,208,000	