



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H142039

Mode: Highway

Status: Submitted

US-601 (State Street)

From/Cross Street: US 421

Specific Improvement Type: 11 - Access Management

To: SR 1146 (Lee Avenue)

Project Category: Regional Impact

Length: 0.55

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$10,270,000

Description:

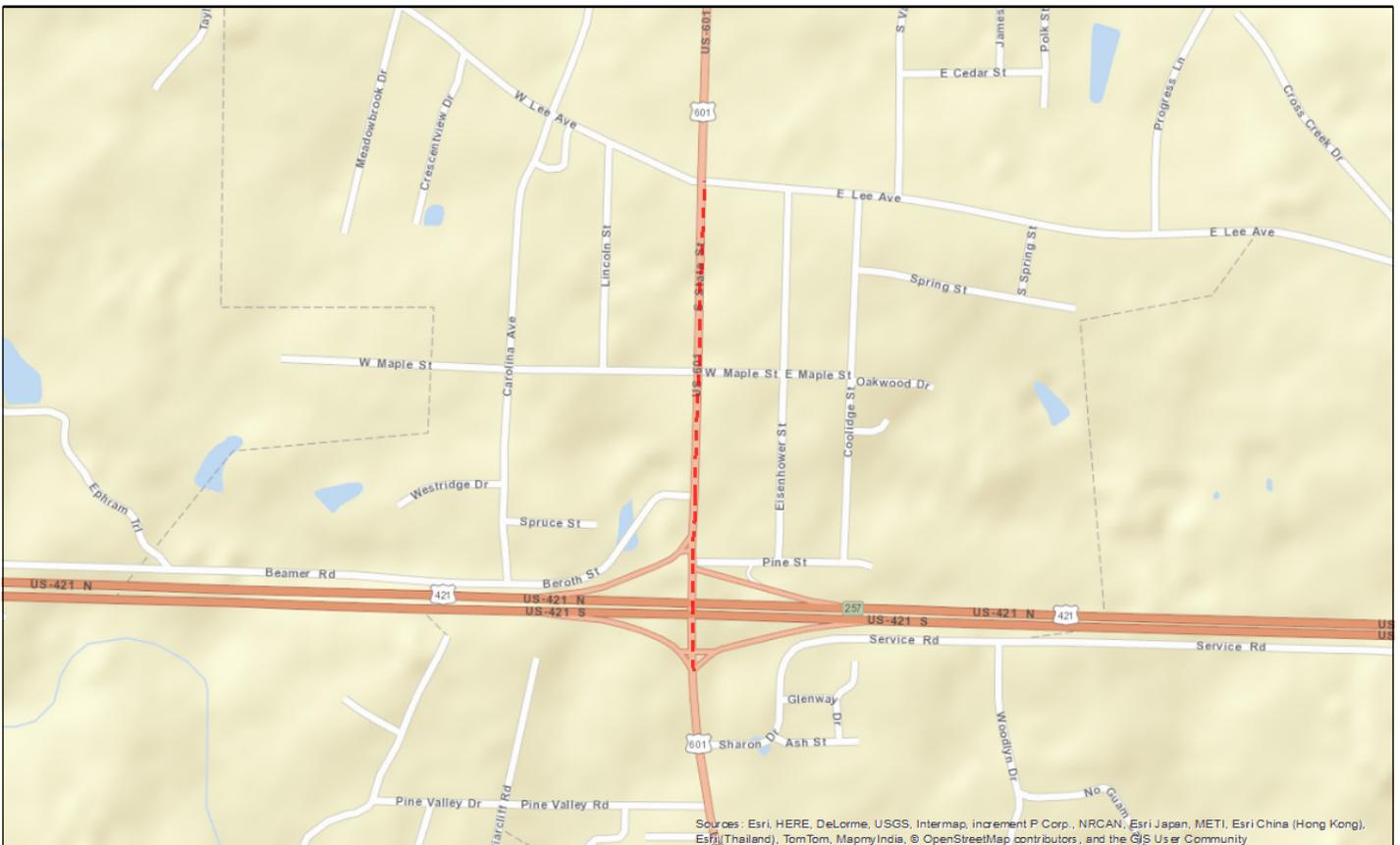
Construct median and roundabouts.

Division(s): Division 11

County(s): YADKIN

MPOS(s)/RPO(s): Northwest Piedmont RPO

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: 48.45

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 38.27	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 74.16		
[Travel Time] Benefit/Cost (25%) 0.07		
Accessibility / Connectivity (10%) 14.44		
Totals: Weight: 70% Weighted Score: 18.45		

Division Needs Total Score: 65.08

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 74.16	Percent: 25% Points: 100	Percent: 25% Points: 100
Congestion (V/C) (20%) 38.27		
[Travel Time] Benefit/Cost (20%) 0.07		
Totals: Weight: 50% Weighted Score: 15.08		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	0.55
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	15665.58
Capacity:	29368.59
Volume/Capacity Ratio:	0.53
% Autos:	95%
% Trucks:	5%
Truck Volume:	820.25
Crash Density:	77.95
Crash Severity:	66.58
Critical Crash Rate:	77.95
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	78
Actual Congested Speed:	27.34
Travel Time Index:	1.28

Project Benefits

Project Cross-Section:	2J - 2 Lane Divided (23' Raised Median) with Curb & Gutter, Bike Lanes, and Sidewalks
Speed Limit:	35
Length (miles):	0.55
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	31825.12
Travel Time Savings for 30 Years (Autos):	30158.76
Travel Time Savings for 30 Years (Trucks):	1666.36
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 11

* 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 11	100%	100	100
	0%	0	0
	0%	0	0
TOTAL Division Points		100	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Northwest Piedmont RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$8,590,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,500,000	Cost Estimation Tool
Utilities Cost:	\$180,000	Cost Estimation Tool
Total Project Cost:	\$10,270,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$10,270,000	