



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090458-D

Mode: Highway

Status: Submitted

US-401 (Ramsey Street)

From/Cross Street: I-295

Specific Improvement Type: 1 - Widen Existing Roadway

To: Slocumb Road

Project Category: Regional Impact

Length: 1.6

TIP#: U-4403

Fully Funded in Draft STIP? No

Cost to NCDOT: \$12,840,000

Description:

Widen to Multi-Lanes

Division(s): Division 6

County(s): CUMBERLAND

MPOS(s)/RPO(s): Fayetteville 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: 32.12

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 58.62	Percent: 15% Points: 0	Percent: 15% Points: 100
[Travel Time] Benefit/Cost (25%) 0.65		
Accessibility / Connectivity (10%) 18.73		
Congestion (V/C) (25%) 36.89		
Totals: Weight: 70% Weighted Score: 17.12		

Division Needs Total Score: 13.37

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 36.89	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 58.62		
[Travel Time] Benefit/Cost (20%) 0.65		
Totals: Weight: 50% Weighted Score: 13.37		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	1.6
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	16089.77
Capacity:	31700.23
Volume/Capacity Ratio:	0.51
% Autos:	95%
% Trucks:	5%
Truck Volume:	851.16
Crash Density:	56.21
Crash Severity:	63.45
Critical Crash Rate:	56.21
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	80
Actual Congested Speed:	49.94
Travel Time Index:	0.9

Project Benefits

Project Cross-Section:	6F - 6 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.6
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	371884.35
Travel Time Savings for 30 Years (Autos):	352211.35
Travel Time Savings for 30 Years (Trucks):	19673
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 6

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Fayetteville Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$10,286,000	Cost Estimation Tool
Right-of-Way Cost:	\$2,280,000	Cost Estimation Tool
Utilities Cost:	\$274,000	Cost Estimation Tool
Total Project Cost:	\$12,840,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$12,840,000	