



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141643

Mode: Highway

Status: Submitted

US-601

From/Cross Street: US 421

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1150 (Hoots Road) - Southern Planning Boundary

Project Category: Regional Impact

Length: 0.84

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$7,521,000

Description:

Widen US 601 from a 2-lane to a 3-lane major thoroughfare with center turn lane from the southern planning area boundary to US 421.

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: 47.16

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 78.49	Percent: 15% Points: 100	Percent: 15% Points: 100
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 9.27		
Congestion (V/C) (25%) 33.54		
Totals: Weight: 70% Weighted Score: 17.16		

Division Needs Total Score: 14.56

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 33.54	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 78.49		
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 50% Weighted Score: 14.56		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	47
Length (miles):	0.84
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	7900
Capacity:	15604.39
Volume/Capacity Ratio:	0.51
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	99.76
Crash Severity:	61.06
Critical Crash Rate:	74.67
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:	42.9
Travel Time Index:	1.28

Project Benefits

Project Cross-Section:	3A - 2 Lane with Two Way Left Turn Lane, and Paved Shoulders
Speed Limit:	55
Length (miles):	0.84
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	-484687.8
Travel Time Savings for 30 Years (Autos):	-484687.8
Travel Time Savings for 30 Years (Trucks):	0
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:	Northwest Piedmont RPO

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

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$7,010,000	Cost Estimation Tool
Right-of-Way Cost:	\$456,000	Cost Estimation Tool
Utilities Cost:	\$55,000	Cost Estimation Tool
Total Project Cost:	\$7,521,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$7,521,000	