



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090455-A

Mode: Highway

Status: Submitted

US-601

From/Cross Street: Existing US 74

Specific Improvement Type: 1 - Widen Existing Roadway

To: Proposed Monroe Bypass (R-2559)

Project Category: Regional Impact

Length: 0.9

TIP#: U-4024A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$51,046,000

Description:

Widen to Multi-Lanes

Division(s): Division 10

County(s): UNION

MPOS(s)/RPO(s): Charlotte Regional Transportation Planning Organization

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
Accessibility / Connectivity (10%) 42.33	Percent: 15% Points:	Percent: 15% Points:
Congestion (V/C) (25%) 54.72		
Safety (10%) 75.15		
[Travel Time] Benefit/Cost (25%) 1.05		
Totals: Weight: 70% Weighted Score: 25.69		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 1.05	Percent: 25% Points:	Percent: 25% Points:
Congestion (V/C) (20%) 54.72		
Safety (10%) 75.15		
Totals: Weight: 50% Weighted Score: 18.67		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	47
Length (miles):	0.9
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	13000
Capacity:	15750.35
Volume/Capacity Ratio:	0.83
% Autos:	89%
% Trucks:	11%
Truck Volume:	1400.96
Crash Density:	79.12
Crash Severity:	79.12
Critical Crash Rate:	67.22
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:	100
Actual Congested Speed:	48.88
Travel Time Index:	0.93

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	0.9
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	2334192.45
Travel Time Savings for 30 Years (Autos):	2082645.11
Travel Time Savings for 30 Years (Trucks):	251547.34
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 10

* 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 10	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Charlotte Regional Transportation Planning Organization	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$43,971,000	TIP Unit
Right-of-Way Cost:	\$4,688,000	TIP Unit
Utilities Cost:	\$2,387,000	TIP Unit
Total Project Cost:	\$51,046,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$51,046,000	