



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090181

Mode: Highway

Status: Submitted

NC-226

From/Cross Street: I-40

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 221

Project Category: Regional Impact

Length: 1.04

TIP#: R-2642

Fully Funded in Draft STIP? No

Cost to NCDOT: \$12,799,000

Description:

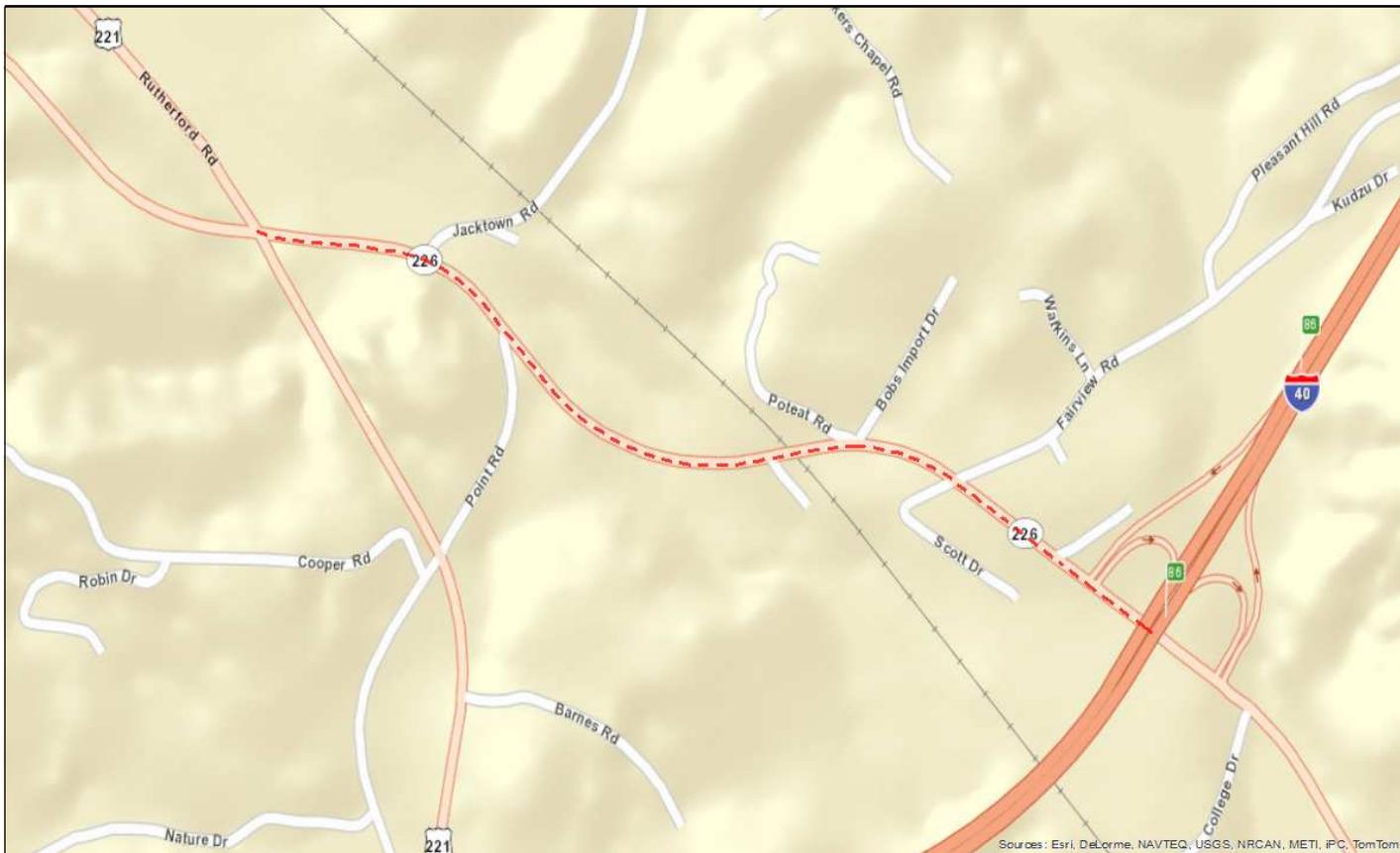
I-40 to US 221. Widen to Multi- Lanes.

Division(s): Division 13

County(s): MCDOWELL

MPOS(s)/RPO(s): Isothermal RPO

Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

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%) 57.74	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 58.15		
[Travel Time] Benefit/Cost (25%) 2.63		
Accessibility / Connectivity (10%) 13.76		
Totals: Weight: 70% Weighted Score: 22.28		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 57.74	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 58.15		
[Travel Time] Benefit/Cost (20%) 2.63		
Totals: Weight: 50% Weighted Score: 17.89		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	36
Length (miles):	1.04
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	13755.5
Capacity:	15800
Volume/Capacity Ratio:	0.87
% Autos:	94%
% Trucks:	6%
Truck Volume:	850.19
Crash Density:	76.85
Crash Severity:	36.82
Critical Crash Rate:	60.8
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	97
Actual Congested Speed:	0
Travel Time Index:	0

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	36
Length (miles):	1.04
Facility Type:	Arterial
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):	1493515.74
Travel Time Savings for 30 Years (Autos):	1401206.01
Travel Time Savings for 30 Years (Trucks):	92309.73
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 13

* 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 13	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$11,286,000	TIP Unit
Right-of-Way Cost:	\$1,351,000	Cost Estimation Tool
Utilities Cost:	\$162,000	Cost Estimation Tool
Total Project Cost:	\$12,799,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$12,799,000	