



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129060-C

Mode: Highway

Status: Submitted

US-221

From/Cross Street: North of South Fork New River

Specific Improvement Type: 1 - Widen Existing Roadway

To: South of NC 194

Project Category: Regional Impact

Length: 4.2

TIP#: R-2915C

Fully Funded in Draft STIP? No

Cost to NCDOT: \$59,720,000

Description:

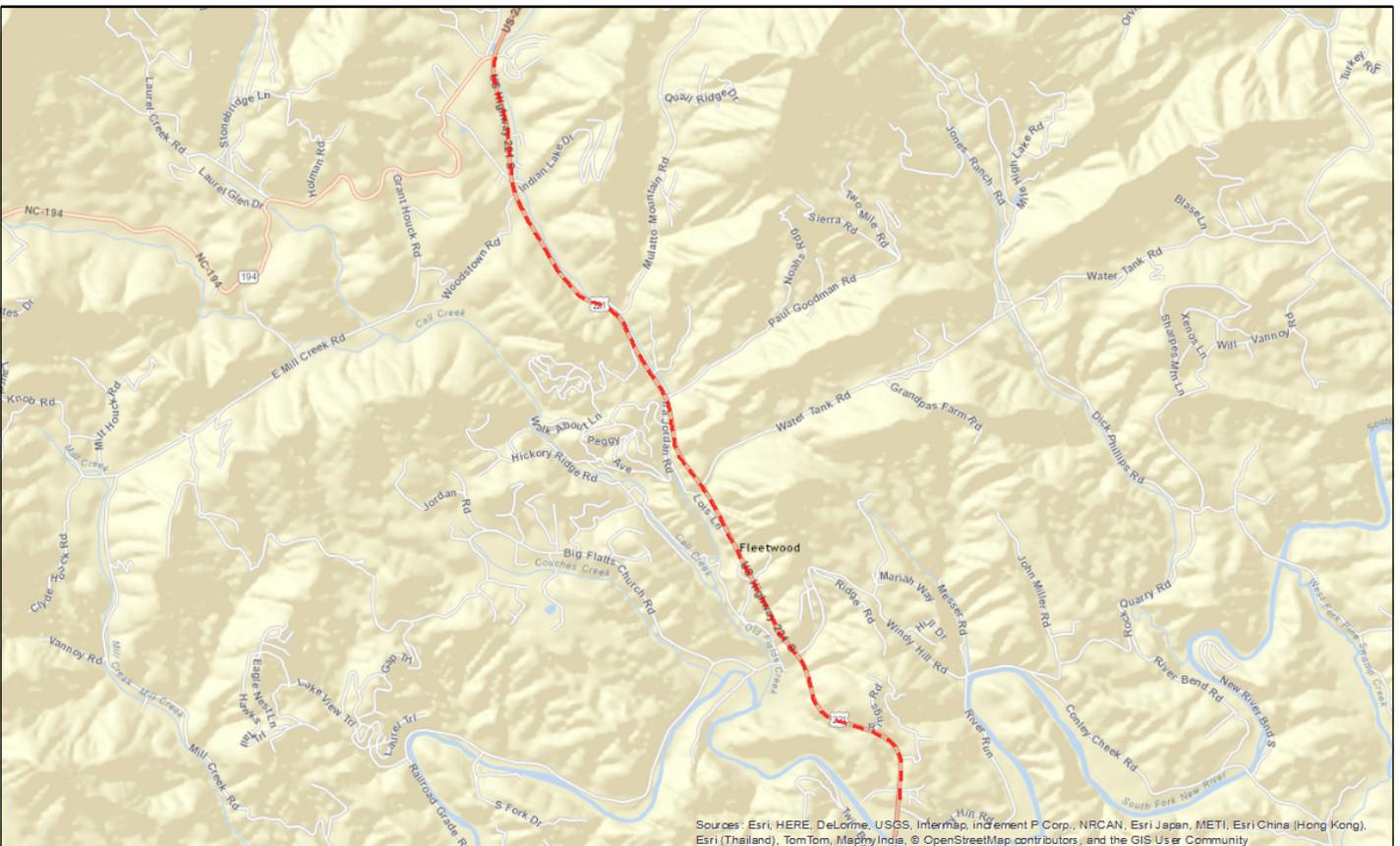
Widen to Multi-Lanes

Division(s): Division 11

County(s): ASHE

MPOS(s)/RPO(s): High Country 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: 46.82

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 32.43	Percent: 15% Points: 100	Percent: 15% Points: 100
[Travel Time] Benefit/Cost (25%) 0.10		
Accessibility / Connectivity (10%) 30.25		
Safety (10%) 56.59		
Totals: Weight: 70% Weighted Score: 16.82		

Division Needs Total Score: 62.16

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 0.10	Percent: 25% Points: 100	Percent: 25% Points: 100
Congestion (V/C) (20%) 32.43		
Safety (10%) 56.59		
Totals: Weight: 50% Weighted Score: 12.16		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	4.2
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):	7592.14
Capacity:	15500
Volume/Capacity Ratio:	0.49
% Autos:	93%
% Trucks:	7%
Truck Volume:	505.22
Crash Density:	70.98
Crash Severity:	51.44
Critical Crash Rate:	47.37
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	83
Actual Congested Speed:	50
Travel Time Index:	1.1

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	4.2
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	271295.38
Travel Time Savings for 30 Years (Autos):	253241.88
Travel Time Savings for 30 Years (Trucks):	18053.5
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 11

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

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$44,000,000	TIP Unit
Right-of-Way Cost:	\$15,000,000	TIP Unit
Utilities Cost:	\$720,000	TIP Unit
Total Project Cost:	\$59,720,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$59,720,000	