



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111028

Mode: Highway

Status: Submitted

US-70

From/Cross Street: US 221/NC 226

Specific Improvement Type: 5 - Construct Roadway on New Location

To: US 70/221

Project Category: Regional Impact

Length: 6.32

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$106,892,000

Description:

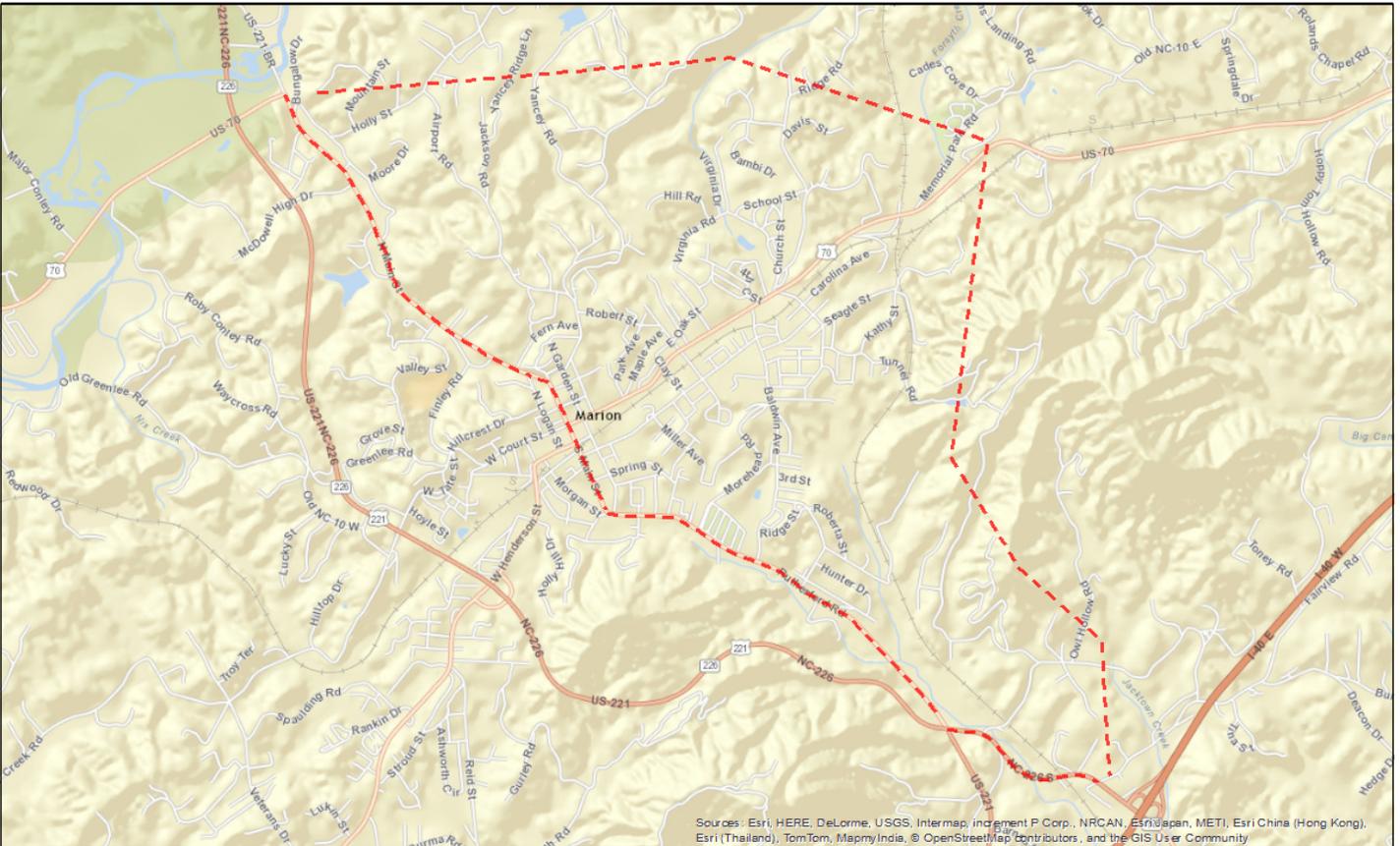
Construct a Bypass of the City of Marion

Division(s): Division 13

County(s): MCDOWELL

MPOS(s)/RPO(s): Isothermal 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: 49.37

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 32.80	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 66.11		
[Travel Time] Benefit/Cost (25%) 3.36		
Accessibility / Connectivity (10%) 37.18		
Totals: Weight: 70% Weighted Score: 19.37		

Division Needs Total Score: 13.84

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 32.80	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 66.11		
[Travel Time] Benefit/Cost (20%) 3.36		
Totals: Weight: 50% Weighted Score: 13.84		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	33
Length (miles):	5.3
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):	12392.2
Capacity:	26705.16
Volume/Capacity Ratio:	0.46
% Autos:	96%
% Trucks:	4%
Truck Volume:	496.04
Crash Density:	71.18
Crash Severity:	60
Critical Crash Rate:	67.18
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	93
Actual Congested Speed:	11.51
Travel Time Index:	1.14

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	6.32
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:	4
Travel Time Savings for 30 Years (Total):	16055179.66
Travel Time Savings for 30 Years (Autos):	15412515.93
Travel Time Savings for 30 Years (Trucks):	642663.73
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 13

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

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$88,920,000	TIP Unit
Right-of-Way Cost:	\$16,046,000	Cost Estimation Tool
Utilities Cost:	\$1,926,000	Cost Estimation Tool
Total Project Cost:	\$106,892,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$106,892,000	