



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141467

Mode: Highway

Status: Submitted

US-70 (Tunnel Road)

From/Cross Street: I-240

Specific Improvement Type: 11 - Access Management

To: Beverly Road

Project Category: Regional Impact

Length: 1.33

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$14,287,000

Description:

ACCESS MANAGEMENT AND SPOT INTERSECTION IMPROVEMENTS; COORDINATE WITH BIKE PLAN

Division(s): Division 13

County(s): BUNCOMBE

MPOS(s)/RPO(s): French Broad River MPO

Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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: 52.01

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 54.40	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 74.43		
[Travel Time] Benefit/Cost (25%) 0.71		
Accessibility / Connectivity (10%) 7.91		
Totals: Weight: 70% Weighted Score: 22.01		

Division Needs Total Score: 18.47

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 54.40	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 74.43		
[Travel Time] Benefit/Cost (20%) 0.71		
Totals: Weight: 50% Weighted Score: 18.47		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	1.33
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	23728.84
Capacity:	31699.99
Volume/Capacity Ratio:	0.75
% Autos:	97%
% Trucks:	3%
Truck Volume:	660.64
Crash Density:	81.91
Crash Severity:	84.41
Critical Crash Rate:	56.99
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	14
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	90
Actual Congested Speed:	37.11
Travel Time Index:	1.21

Project Benefits

Project Cross-Section:	4G - 4 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.33
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	455170.49
Travel Time Savings for 30 Years (Autos):	442498.04
Travel Time Savings for 30 Years (Trucks):	12672.45
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?	Yes
CTP/LRTP Name:	FBRMPO CTP
CTP/LRTP Completion Year:	2008
Submitted by:	French Broad River MPO

* 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
French Broad River MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$12,233,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,834,000	Cost Estimation Tool
Utilities Cost:	\$220,000	Cost Estimation Tool
Total Project Cost:	\$14,287,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$14,287,000	