



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141925

Mode: Highway

Status: Submitted

## NC-81 (Swannanoa River Road)

From/Cross Street: Alt US 74A (South Tunnel Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 70 (Tunnel Road)

Project Category: Regional Impact

Length: 2.33

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$23,462,000

### Description:

Widen roadway to add capacity.

Division(s): Division 13

County(s): BUNCOMBE

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

### 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
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 45.23	Percent: 15%	Percent: 15%
Safety (10%) 45.08	Points:	Points:
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 3.59		
<b>Totals: Weight: 70% Weighted Score: 16.18</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 45.23	Percent: 25%	Percent: 25%
Safety (10%) 45.08	Points:	Points:
[Travel Time] Benefit/Cost (20%) 0.00		
<b>Totals: Weight: 50% Weighted Score: 13.55</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.33
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	10776.6
Capacity:	15800
Volume/Capacity Ratio:	0.68
% Autos:	97%
% Trucks:	3%
Truck Volume:	338.45
Crash Density:	49.73
Crash Severity:	42.92
Critical Crash Rate:	42.6
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	16
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	51
Actual Congested Speed:	0
Travel Time Index:	

**Project Benefits**

Project Cross-Section:	3C - 2 Lane with Two Way Left Turn Lane, Curb & Gutter, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.33
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
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:	2007
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
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
French Broad River MPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$15,283,000	Cost Estimation Tool
Right-of-Way Cost:	\$7,303,000	Cost Estimation Tool
Utilities Cost:	\$876,000	Cost Estimation Tool
Total Project Cost:	\$23,462,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$23,462,000</b>	