



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141612

Mode: Highway

Status: Submitted

US-70

From/Cross Street: SR 1167 (Williams Rd)

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? Yes Statewide Mobility

Cost to NCDOT: \$23,870,000

Description:

Construct overpass at the intersection with on/off ramps between US 70 and service road, Install coordinated signals at service road and side road intersections

Division(s): Division 2

County(s): CRAVEN

MPOS(s)/RPO(s): New Bern MPO

Project Location



Statewide Mobility Total Score: 68.37

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	91.69	N/A	N/A
Safety (10%)	66.65		
Economic Competitiveness (10%)	90.23		
Multimodal + [Freight & Military] (20%)	77.69		
[Travel Time] Benefit/Cost (30%)	32.13		
Totals: Weight: 100% Weighted Score: 68.37			

Regional Impact Total Score: 0

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%)	66.65	Percent: 15% Points:	Percent: 15% Points:
Multimodal + [Freight & Military] (25%)	77.69		
[Travel Time] Benefit/Cost (20%)	32.13		
Totals: Weight: 70% Weighted Score: 42.51			

Division Needs Total Score: 0

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	91.69	Percent: 25% Points:	Percent: 25% Points:
Safety (20%)	66.65		
Multimodal + [Freight & Military] (10%)	77.69		
Totals: Weight: 50% Weighted Score: 39.44			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	59191.47
Capacity:	52219.23
Volume/Capacity Ratio:	1.13
% Autos:	93%
% Trucks:	7%
Truck Volume:	4202.56
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	33.3
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	93
Actual Congested Speed:	31.12
Travel Time Index:	1.77

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Freeway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	33861000
Travel Time Savings for 30 Years (Autos):	31456891.08
Travel Time Savings for 30 Years (Trucks):	2404108.92
Long-Term Employment:	595.69
% Change in Economy:	0.001209
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 2

* 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 2	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$19,250,000	Cost Estimation Tool
Right-of-Way Cost:	\$4,620,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$23,870,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$23,870,000	