NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141164 **Mode:** Highway **Status:** Submitted

US-13, US-258

From/Cross Street: NC 91

To: US 258 Split

Length: 6.45

Specific Improvement Type: 2 - Upgrade Arterial to Freeway/Expressway

Project Category: Regional Impact

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: $40,838,000

Description:

From the US 13 Bypass to the intersection of the proposed US 258 Bypass, upgrade to a 4-lane divided boulevard. From the proposed US 258 Bypass to the US 13/US 258 split, improve to a 4-lane median-divided expressway.

Division(s): Division 2

County(s): GREENE

MPOS(s)/RPO(s): East Carolina RPO

Project Location

Statewide Mobility Total Score: 0

Quanitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quanitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%)	68.50	Percent: 15%	Percent: 15%
Multimodal + [Freight & Military] (25%)	4.18	Points:	Points:
[Travel Time] Benefit/Cost (20%)	0.73		
Totals: Weight: 70% Weighted Score: 18.31			

Division Needs Total Score: 0

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (20%)	68.50	Percent: 25%	Percent: 25%
Multimodal + [Freight & Military] (10%)	4.18	Points:	Points:
Congestion (V/C) (20%)	43.91		
Totals: Weight: 50% Weighted Score: 22.9			

Project Data *

Existing Conditions

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	6.45
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	10280.17
Capacity:	15500.08
Volume/Capacity Ratio:	0.66
% Autos:	92%
% Trucks:	8%
Truck Volume:	835.28
Crash Density:	85.93
Crash Severity:	50.08
Critical Crash Rate:	69.5
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	100
Actual Congested Speed:	52.98
Travel Time Index:	1.04

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	6.45
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1316958.23
Travel Time Savings for 30 Years (Autos):	1209953.02
Travel Time Savings for 30 Years (Trucks):	107005.21
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?	Yes
CTP/LRTP Name:	Greene County CTP
CTP/LRTP Completion Year:	2012
Submitted by:	East Carolina RPO

* 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
East Carolina RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		**0**	**0**

Project Cost and Source

Construction Cost:	$35,691,000	Cost Estimation Tool
Right-of-Way Cost:	$4,596,000	Cost Estimation Tool
Utilities Cost:	$551,000	Cost Estimation Tool
Total Project Cost:	$40,838,000	
Other Funding:	$0	None
Cost to NCDOT :	**$40,838,000**	