



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H142231

Mode: Highway

Status: Submitted

US-117

From/Cross Street: West Main Street

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? No

Cost to NCDOT: \$2,325,000

Description:

Convert at-grade intersection to grade separation

Division(s): Division 4

County(s): WAYNE

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

Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

Statewide Mobility Total Score: 10.63

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 16.29	N/A	N/A
Safety (10%) 33.35		
Economic Competitiveness (10%) 0.53		
Multimodal + [Freight & Military] (20%) 8.48		
[Travel Time] Benefit/Cost (30%) 2.21		
Totals: Weight: 100% Weighted Score: 10.63		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 16.29	Percent: 15% Points:	Percent: 15% Points:
Safety (15%) 33.35		
Lane Width (10%) 0.00		
[Paved] Shoulder Width (10%) 50.00		
[Travel Time] Benefit/Cost (20%) 2.21		
Totals: Weight: 70% Weighted Score: 12.89		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 16.29	Percent: 25% Points:	Percent: 25% Points:
Lane Width (10%) 0.00		
[Paved] Shoulder Width (10%) 50.00		
[Travel Time] Benefit/Cost (10%) 2.21		
Safety (10%) 33.35		
Totals: Weight: 50% Weighted Score: 10.19		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	14885.86
Capacity:	86398.88
Volume/Capacity Ratio:	0.17
% Autos:	89%
% Trucks:	11%
Truck Volume:	1695.75
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	0
Severity Index:	66.7
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	17
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	86
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	
Speed Limit:	70
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
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):	223000
Travel Time Savings for 30 Years (Autos):	197596.58
Travel Time Savings for 30 Years (Trucks):	25403.42
Long-Term Employment:	3.66
% Change in Economy:	7.03E-06
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	Yes
CTP/LRTP Name:	Mt. Olive CTP
CTP/LRTP Completion Year:	2014
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 4	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:	\$1,875,000	Cost Estimation Tool
Right-of-Way Cost:	\$450,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,325,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,325,000	