



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140108

Mode: Highway

Status: Submitted

US-117

From/Cross Street: US 117

Specific Improvement Type: 3 - Upgrade Expressway to Freeway

To: Sampson County line

Project Category: Statewide Mobility

Length: 4

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$19,681,000

Description:

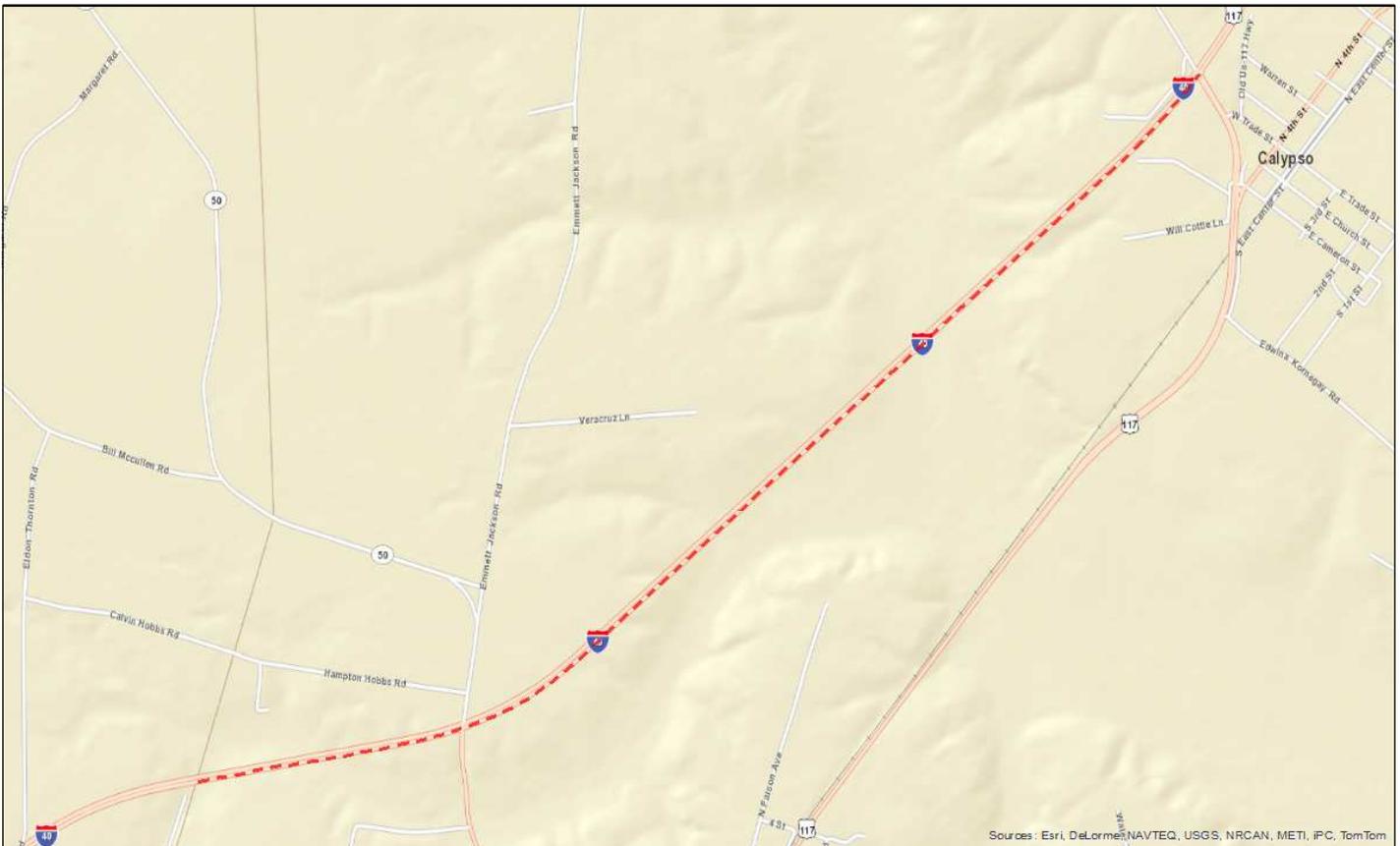
Improve to freeway standards. implement access management strategies to achieve full control of access and the construction of interchanges at SR 1006 (W. Trade Rd) and NC 50.

Division(s): Division 3

County(s): DUPLIN, SAMPSON

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

Project Location



Statewide Mobility Total Score: 4.7

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 6.96 Safety (10%) 12.47 Economic Competitiveness (10%) 1.39 Multimodal + [Freight & Military] (20%) 4.85 [Travel Time] Benefit/Cost (30%) 0.85	N/A	N/A
Totals: Weight: 100% Weighted Score: 4.7		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Multimodal + [Freight & Military] (25%) 4.85 [Travel Time] Benefit/Cost (20%) 0.85 Safety (25%) 12.47	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 4.5		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 6.96 Safety (20%) 12.47 Multimodal + [Freight & Military] (10%) 4.85	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 4.37		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	4
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	5843.01
Capacity:	75800
Volume/Capacity Ratio:	0.08
% Autos:	83%
% Trucks:	17%
Truck Volume:	969.03
Crash Density:	4.15
Crash Severity:	8.32
Critical Crash Rate:	24.93
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	100
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	4
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	710515.79
Travel Time Savings for 30 Years (Autos):	592680.65
Travel Time Savings for 30 Years (Trucks):	117835.14
Long-Term Employment:	11.6
% Change in Economy:	1.61E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	Yes
CTP/LRTP Name:	Duplin County CTP
CTP/LRTP Completion Year:	2007
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 3	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:	\$16,590,000	Cost Estimation Tool
Right-of-Way Cost:	\$2,760,000	Cost Estimation Tool
Utilities Cost:	\$331,000	Cost Estimation Tool
Total Project Cost:	\$19,681,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$19,681,000	