



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H110978

Mode: Highway

Status: Submitted

US-74

From/Cross Street: US 17/421

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Statewide Mobility

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$15,500,000

Description:

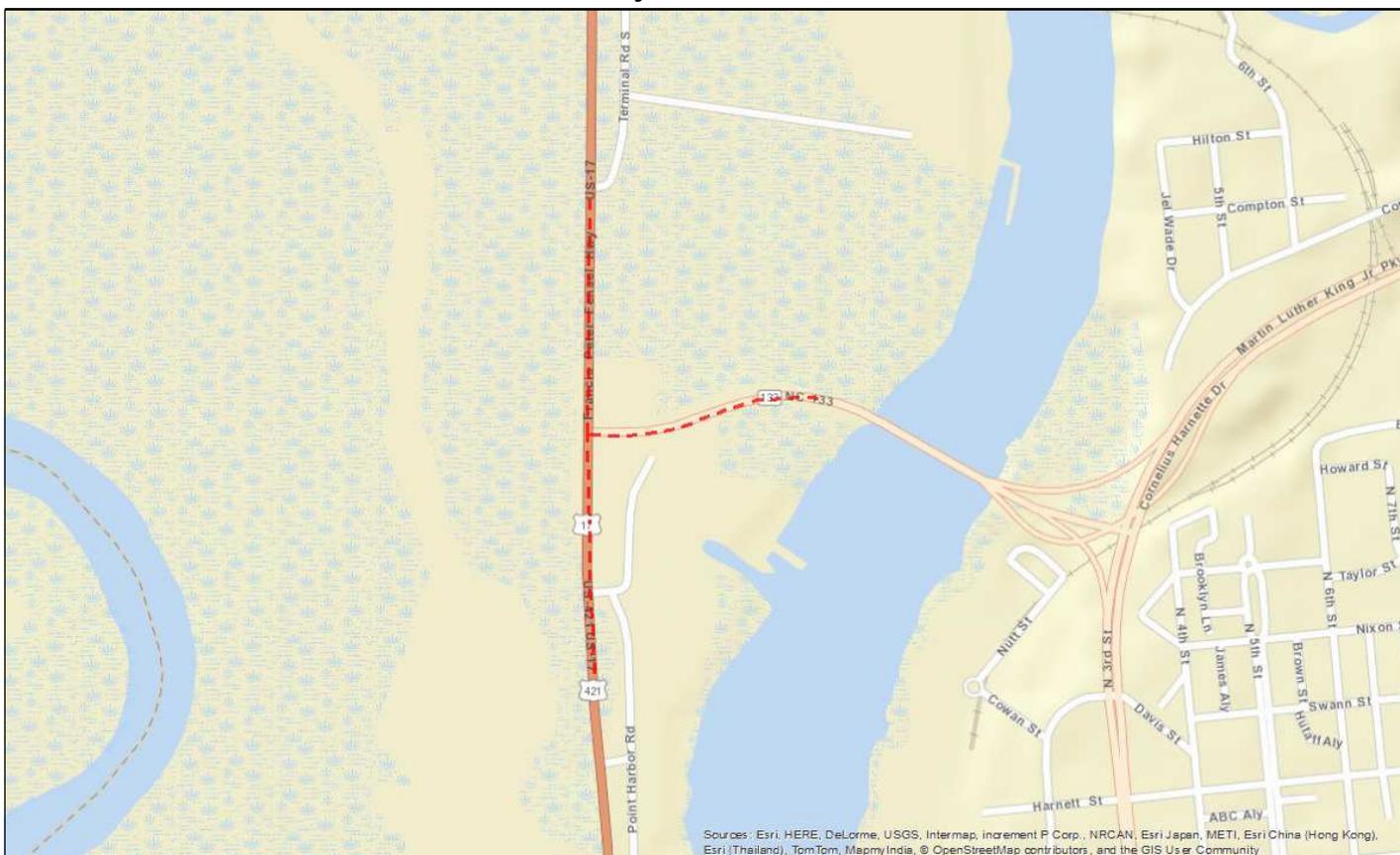
Construct a Flyover and Free-Flow Ramp at interchange

Division(s): Division 3

County(s): NEW HANOVER

MPOS(s)/RPO(s): Wilmington Urban Area MPO

Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Statewide Mobility Total Score: 38.57

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	46.47	N/A	N/A
Safety (10%)	83.35		
Economic Competitiveness (10%)	27.22		
[Travel Time] Benefit/Cost (30%)	22.27		
Multimodal + [Freight & Military] (20%)	34.49		
Totals: Weight: 100% Weighted Score: 38.57			

Regional Impact Total Score: 60.01

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%)	22.27	Percent: 15% Points: 74	Percent: 15% Points: 100
Safety (25%)	83.35		
Multimodal + [Freight & Military] (25%)	34.49		
Totals: Weight: 70% Weighted Score: 33.91			

Division Needs Total Score: 54.41

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	46.47	Percent: 25% Points: 0	Percent: 25% Points: 100
Multimodal + [Freight & Military] (10%)	34.49		
Safety (20%)	83.35		
Totals: Weight: 50% Weighted Score: 29.41			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	53
Length (miles);	0.5
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	6
Roadway has Curb & Gutter?	No
Volume (AADT):	54636.34
Capacity:	133199.99
Volume/Capacity Ratio:	0.41
% Autos:	87%
% Trucks:	13%
Truck Volume:	6897.05
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	66.7
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	96
Actual Congested Speed:	29.52
Travel Time Index:	1.86

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
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):	14906000
Travel Time Savings for 30 Years (Autos):	13024332.73
Travel Time Savings for 30 Years (Trucks):	1881667.27
Long-Term Employment:	226
% Change in Economy:	0.00031832
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* 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 3	100%	74	0
	0%	0	0
	0%	0	0
TOTAL Division Points		74	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Wilmington Urban Area MPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$12,500,000	Cost Estimation Tool
Right-of-Way Cost:	\$3,000,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$15,500,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$15,500,000	