

# **NCDOT Prioritization 3.0 Project Summary**

SPOT ID: H128073 Mode: Highway Status: Submitted

### **I-485**

From/Cross Street: I-77 Specific Improvement Type: 1 - Widen Existing Roadway

To: US 74 (Independence Boulevard) Project Category: Statewide Mobility

**Length:** 16.62 **TIP#:** I-5507

Fully Funded in Draft STIP? Yes Statewide Mobility Cost to NCDOT: \$184,100,000

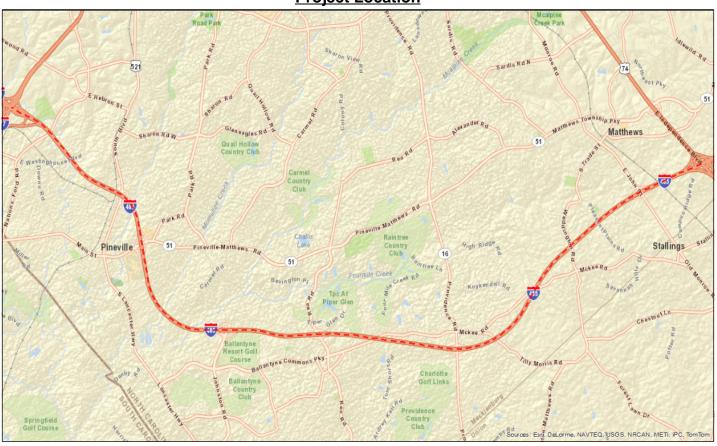
### **Description:**

Construct one Express toll Lane in Each Direction within the Existing Median.

**Division(s):** Division 10 **County(s):** MECKLENBURG

MPOS(s)/RPO(s): Charlotte Regional Transportation Planning Organization

### **Project Location**



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## **Statewide Mobility Total Score: 56.88**

Quanitative Score			MPO/RPO Local Input Points
Congestion (V/C) (30%) Safety (10%) Economic Competitiveness (10%) Multimodal + [Freight & Military] (20%) [Travel Time] Benefit/Cost (30%)  Totals: Weight: 100% Weighted Score:	99.76 57.65 100.00 22.97 21.98	N/A	N/A

## **Regional Impact Total Score: 0**

Quanitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%) Congestion (V/C) (25%) Safety (10%) [Travel Time] Benefit/Cost (25%)	37.06 99.76 57.65 21.98	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 39.91			

## **Division Needs Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) Safety (10%) [Travel Time] Benefit/Cost (20%)  Totals: Weight: 50% Weighted Score	99.76 57.65 21.98 e: <b>30.11</b>	Percent: 25% Points:	Percent: 25% Points:

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### Project Data \*

### **Existing Conditions**

#### **Existing Cross-Section:** Speed Limit: 65 16.62 Length (miles); Freeway Facility Type: Access Control: Full Functional Classification: Interstate Rolling Terrain Type: Lane Width: 12 Paved Shoulder Width: 10 Roadway has Curb & Gutter? No Volume (AADT): 81192.46 Capacity: 72400 Volume/Capacity Ratio: 1.12 94% % Autos: 6% % Trucks: Truck Volume: 4594.87 Crash Density: 60.17 49.48 Crash Severity: 63.33 Critical Crash Rate: 0 Crash Frequency: 0 Severity Index: 3 County Tier Designation: Non-Interstate STRAHNET No Route? Average Commuting Time: 25

Divided

0

52.41

1.23

Existing Median Type (for

Actual Congested Speed:

Pavement Condition Rating:

Cost Estimation):

Travel Time Index:

#### **Project Benefits**

Project Cross-Section:	8D - 8 Lane Freeway (6 General Purpose Lanes, 2 Managed Lanes, and 27' Median with Jersey Barrier) with Paved Shoulders
Speed Limit:	65
Length (miles):	16.62
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	179732554.08
Travel Time Savings for 30 Years (Autos):	169561079.88
Travel Time Savings for 30 Years (Trucks):	10171474.2
Long-Term Employment:	2697
% Change in Economy:	0.00186496
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 10

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<sup>\*</sup> Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

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## **Project Ownership**

### **Division**

Division	Percent	Regional Impact	Division Needs
Division 10	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

### MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Charlotte Regional Transportation Planning Organization	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

# **Project Cost and Source**

Cost to NCDOT :	\$184,100,000	
Other Funding:	\$34,480,000	See below
Total Project Cost:	\$201,340,000	
Utilities Cost:	\$0	TIP Unit
Right-of-Way Cost:	\$1,590,000	TIP Unit
Construction Cost:	\$199,750,000	TIP Unit

Other Funds: \$17,240,000 Toll Revenue

\$17,240,000 Toll Revenue less Roadway Maintenance &

Financing

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