



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141881

Mode: Highway

Status: Submitted

I-485

From/Cross Street: US 29 (Exit 33)

Specific Improvement Type: 15 - Install Cameras and DMS

To: US 74 (Exit 51)

Project Category: Statewide Mobility

Length: 19.21

TIP#: None

Fully Funded in Draft STIP? No

Cost to NCDOT: \$5,001,000

Description:

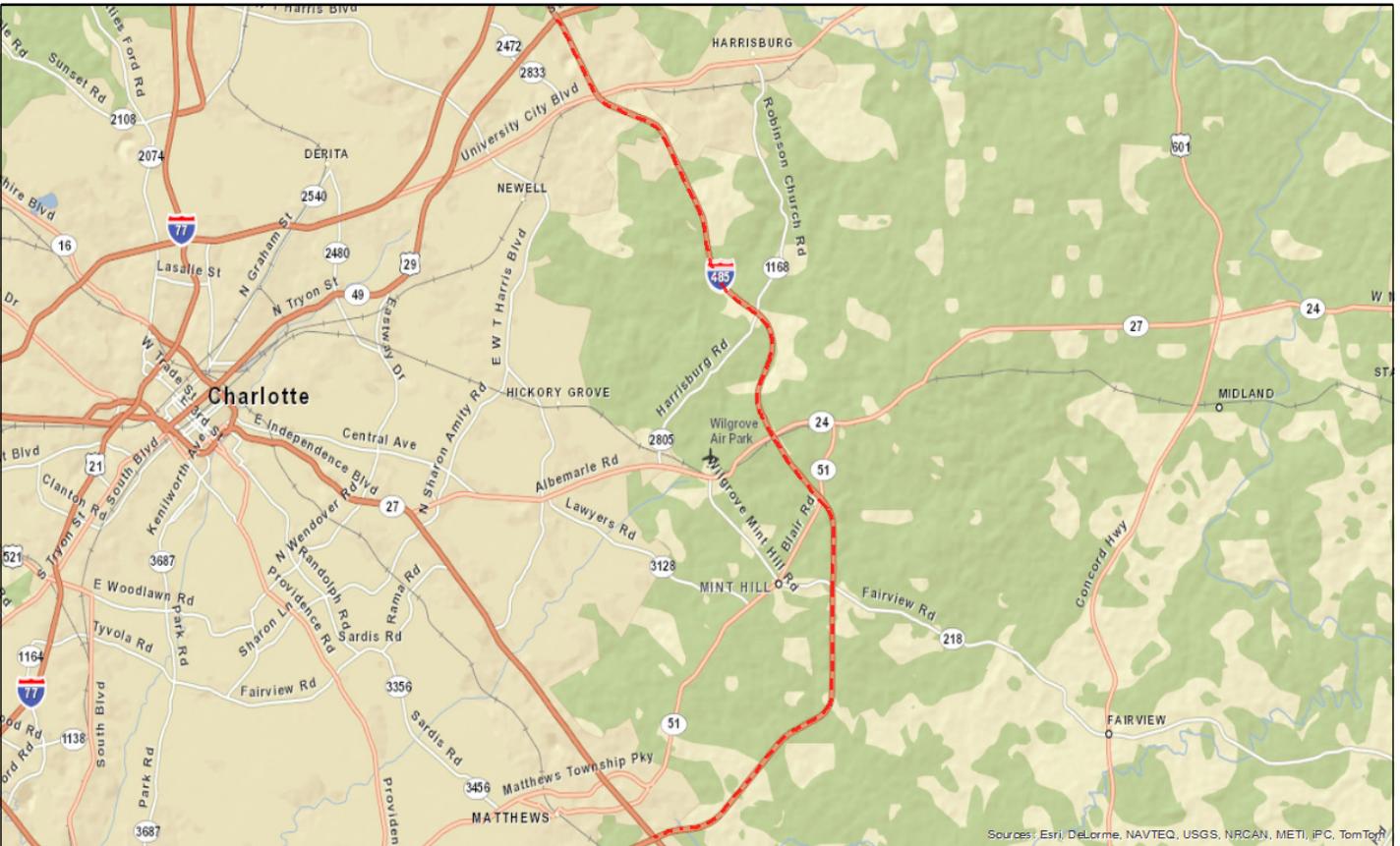
Deploy ITS along Eastern I-485 from Exit 33 to Exit 51

Division(s): Division 10

County(s): MECKLENBURG

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

Project Location



Statewide Mobility Total Score: 24.47

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Economic Competitiveness (10%) 0.00 Multimodal + [Freight & Military] (20%) 12.31 [Travel Time] Benefit/Cost (30%) 0.00 Congestion (V/C) (30%) 54.52 Safety (10%) 56.57	N/A	N/A
Totals: Weight: 100% Weighted Score: 24.47		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (25%) 0.00 Accessibility / Connectivity (10%) 29.21 Safety (10%) 56.57 Congestion (V/C) (25%) 54.52	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 22.21		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 54.52 Safety (10%) 56.57 [Travel Time] Benefit/Cost (20%) 0.00	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 16.56		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	65
Length (miles);	19.21
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	45636.63
Capacity:	75511.47
Volume/Capacity Ratio:	0.6
% Autos:	95%
% Trucks:	5%
Truck Volume:	2462.19
Crash Density:	60.55
Crash Severity:	48.69
Critical Crash Rate:	60.48
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	0
Actual Congested Speed:	64.8
Travel Time Index:	1

Project Benefits

Project Cross-Section:	
Speed Limit:	65
Length (miles):	19.21
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):	56755.86
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	56755.86
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 10

* 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 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

Construction Cost:	\$5,001,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$5,001,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$5,001,000	