



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090295

Mode: Highway

Status: Submitted

US-1

From/Cross Street: Pendergrass Road

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#: R-4742

Fully Funded in Draft STIP? No

Cost to NCDOT: \$30,048,000

Description:

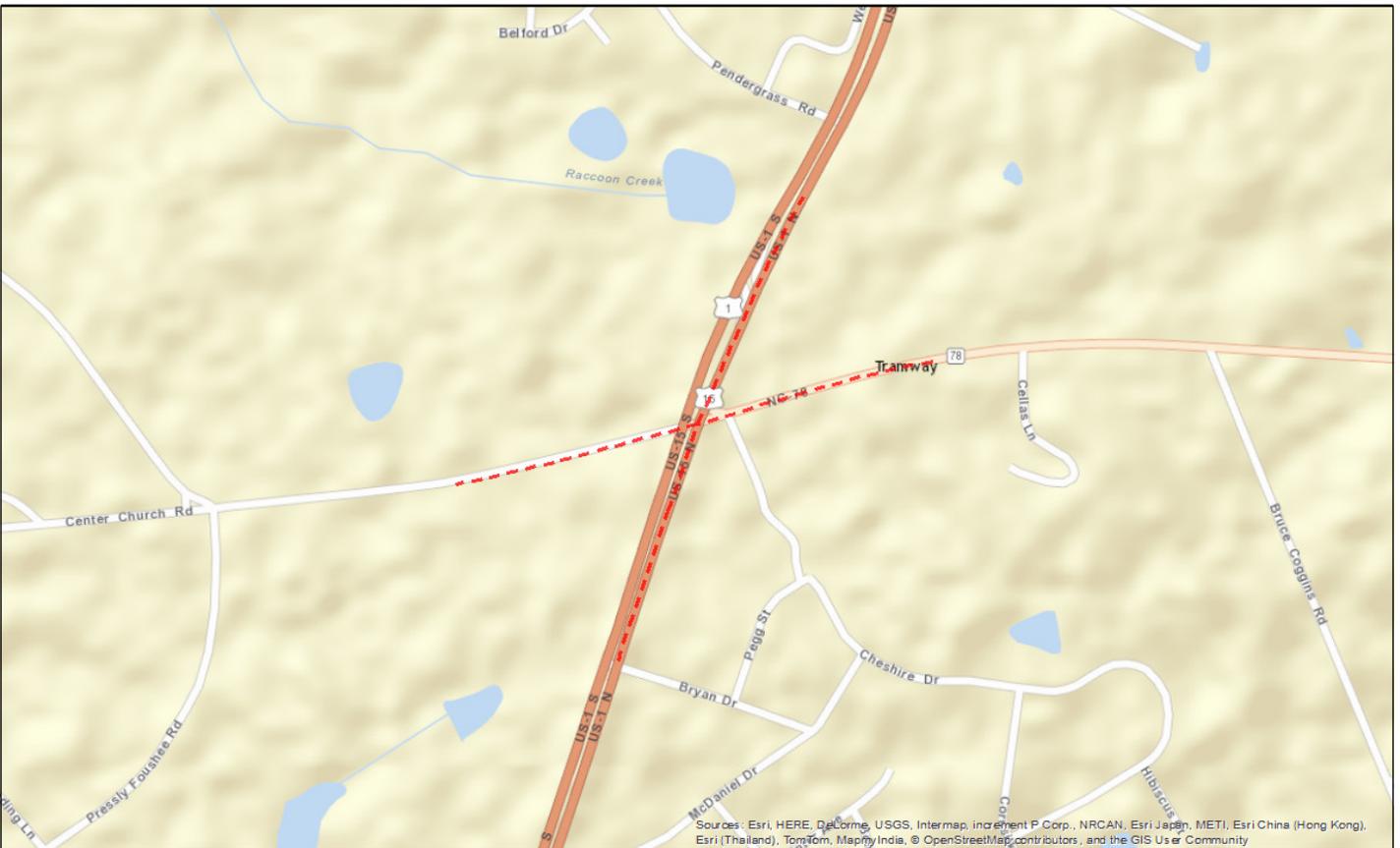
Upgrade At-Grade intersection to Grade Separation and relocate NC 78 to tie into interchange.

Division(s): Division 8

County(s): LEE

MPOS(s)/RPO(s): Triangle Area RPO

Project Location



Statewide Mobility Total Score: 33.54

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%) 12.07 Congestion (V/C) (30%) 43.96 Safety (10%) 83.35 Economic Competitiveness (10%) 49.72 Multimodal + [Freight & Military] (20%) 17.13	N/A	N/A
Totals: Weight: 100% Weighted Score: 33.54		

Regional Impact Total Score: 47.34

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 43.96 Safety (10%) 83.35 [Travel Time] Benefit/Cost (25%) 12.07 Accessibility / Connectivity (10%) 25.26	Percent: 15% Points: 0	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 32.34		

Division Needs Total Score: 44.54

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 43.96 Safety (10%) 83.35 [Travel Time] Benefit/Cost (20%) 12.07	Percent: 25% Points: 0	Percent: 25% Points: 100
Totals: Weight: 50% Weighted Score: 19.54		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	60
Length (miles);	2
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	37896.21
Capacity:	78939.43
Volume/Capacity Ratio:	0.48
% Autos:	91%
% Trucks:	9%
Truck Volume:	3425.74
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	66.7
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	65
Actual Congested Speed:	21.5
Travel Time Index:	2.79

Project Benefits

Project Cross-Section:	
Speed Limit:	60
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial- Other Freeway
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	15881000
Travel Time Savings for 30 Years (Autos):	14445391.56
Travel Time Savings for 30 Years (Trucks):	1435608.44
Long-Term Employment:	280
% Change in Economy:	0.00071449
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* 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 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$26,448,000	TIP Unit
Right-of-Way Cost:	\$3,600,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$30,048,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$30,048,000	