



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090377

Mode: Highway

Status: Submitted

SR-1837 (Westgate Road)

From/Cross Street: East of US 70

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1822 (Leesville Road)

Project Category: Division Needs

Length: 2.33

TIP#: U-2918

Fully Funded in Draft STIP? No

Cost to NCDOT: \$25,845,000

Description:

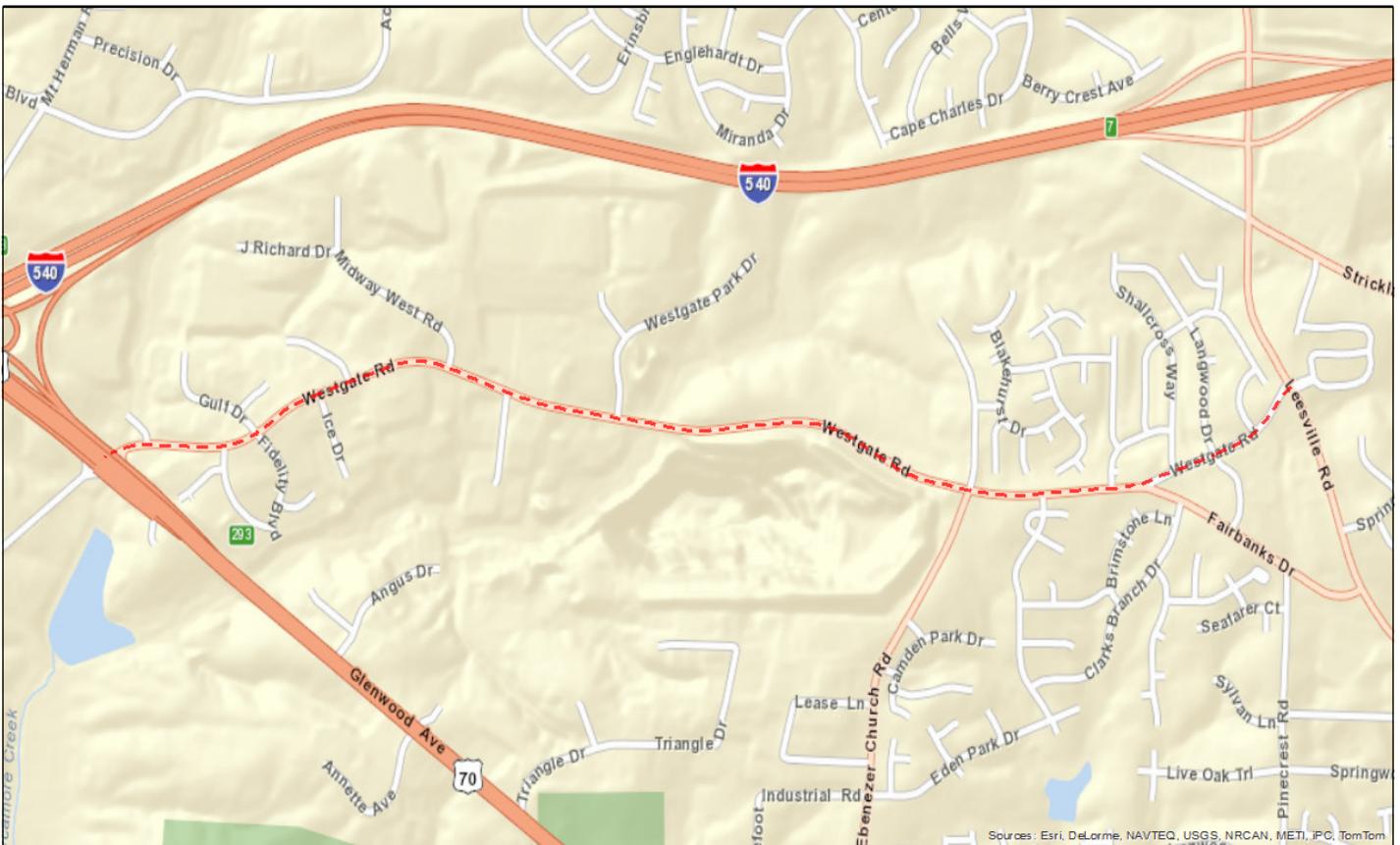
East of US 70 to SR 1822 (Leesville Road). Widen to Multi-Lanes.

Division(s): Division 5

County(s): WAKE

MPOS(s)/RPO(s): Capital Area MPO

Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 0% Weighted Score: 0		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 40.33	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 51.48		
[Travel Time] Benefit/Cost (20%) 0.55		
Totals: Weight: 50% Weighted Score: 13.33		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.33
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	10739.55
Capacity:	17880.53
Volume/Capacity Ratio:	0.6
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	92.7
Crash Severity:	26.14
Critical Crash Rate:	35.61
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	100
Actual Congested Speed:	32.42
Travel Time Index:	1.39

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.33
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	650892.02
Travel Time Savings for 30 Years (Autos):	650892.02
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
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 5

* 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 5	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$20,862,000	TIP Unit
Right-of-Way Cost:	\$4,449,000	Cost Estimation Tool
Utilities Cost:	\$534,000	Cost Estimation Tool
Total Project Cost:	\$25,845,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$25,845,000	