



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090593

Mode: Highway

Status: Submitted

SR-5901 (Billy Graham Parkway)

From/Cross Street: NC 160 (West Boulevard)

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

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? Yes Statewide Mobility

Cost to NCDOT: \$8,370,000

Description:

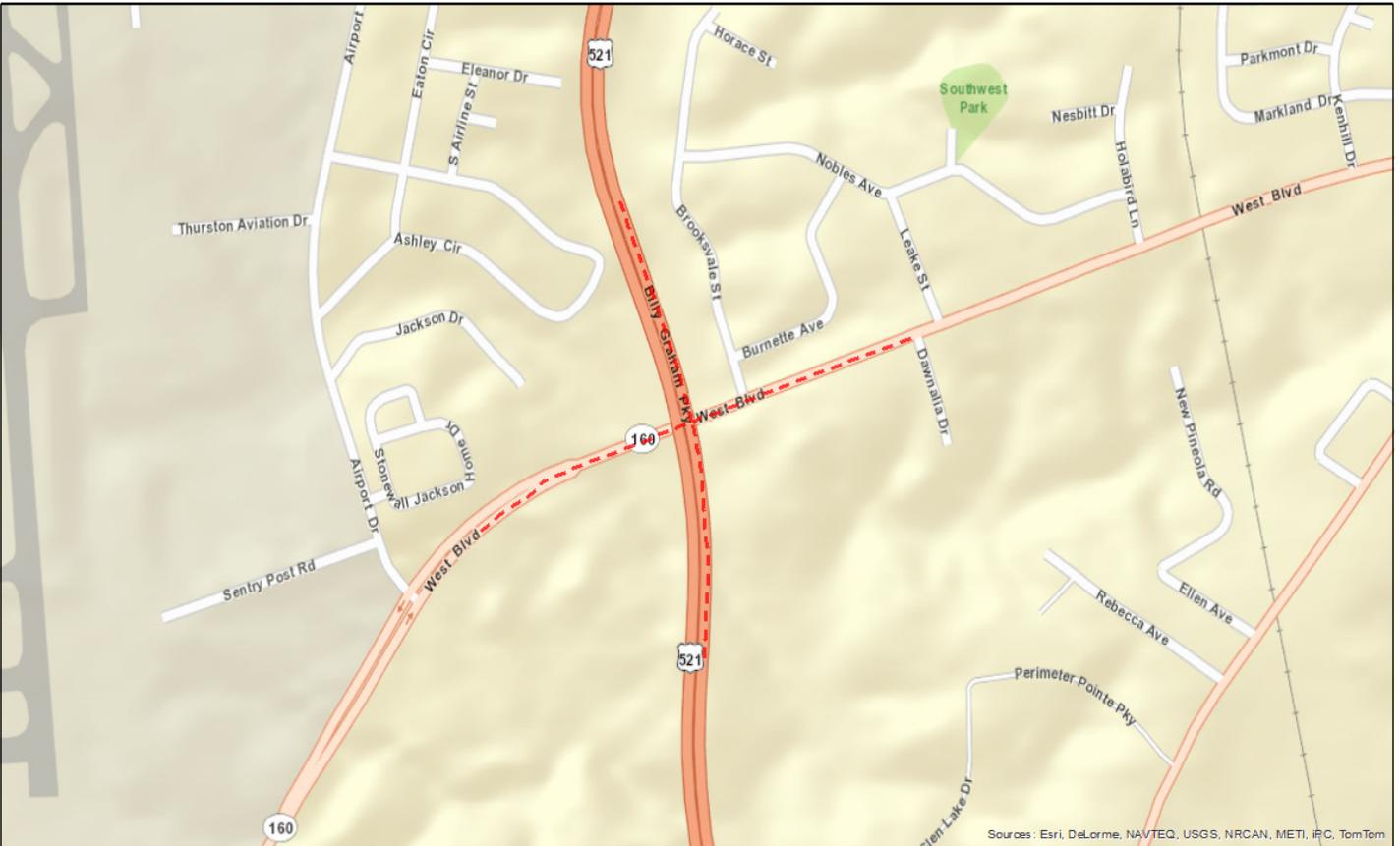
Upgrade At-Grade Intersection to Interchange

Division(s): Division 10

County(s): MECKLENBURG

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

Project Location



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

Statewide Mobility Total Score: 56.23

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Economic Competitiveness (10%) 40.98	N/A	N/A
Congestion (V/C) (30%) 52.58		
Multimodal + [Freight & Military] (20%) 10.21		
[Travel Time] Benefit/Cost (30%) 86.61		
Safety (10%) 83.35		
Totals: Weight: 100% Weighted Score: 56.23		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 52.58	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 83.35		
[Travel Time] Benefit/Cost (25%) 86.61		
Accessibility / Connectivity (10%) 28.98		
Totals: Weight: 70% Weighted Score: 53.13		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 83.35	Percent: 25% Points:	Percent: 25% Points:
[Travel Time] Benefit/Cost (20%) 86.61		
Congestion (V/C) (20%) 52.58		
Totals: Weight: 50% Weighted Score: 36.17		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	50945.68
Capacity:	94934.79
Volume/Capacity Ratio:	0.54
% Autos:	96%
% Trucks:	4%
Truck Volume:	2041.75
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:	26
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	0
Actual Congested Speed:	36.86
Travel Time Index:	1.22

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Arterial
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):	32409000
Travel Time Savings for 30 Years (Autos):	31110144.22
Travel Time Savings for 30 Years (Trucks):	1298855.78
Long-Term Employment:	484
% Change in Economy:	0.00033551
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 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:	\$6,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,620,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$8,370,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$8,370,000	