



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141530

Mode: Highway

Status: Submitted

NC-14 (South Van Buren Road)

From/Cross Street: Kings Highway

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

To:

Project Category: Regional Impact

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$7,130,000

Description:

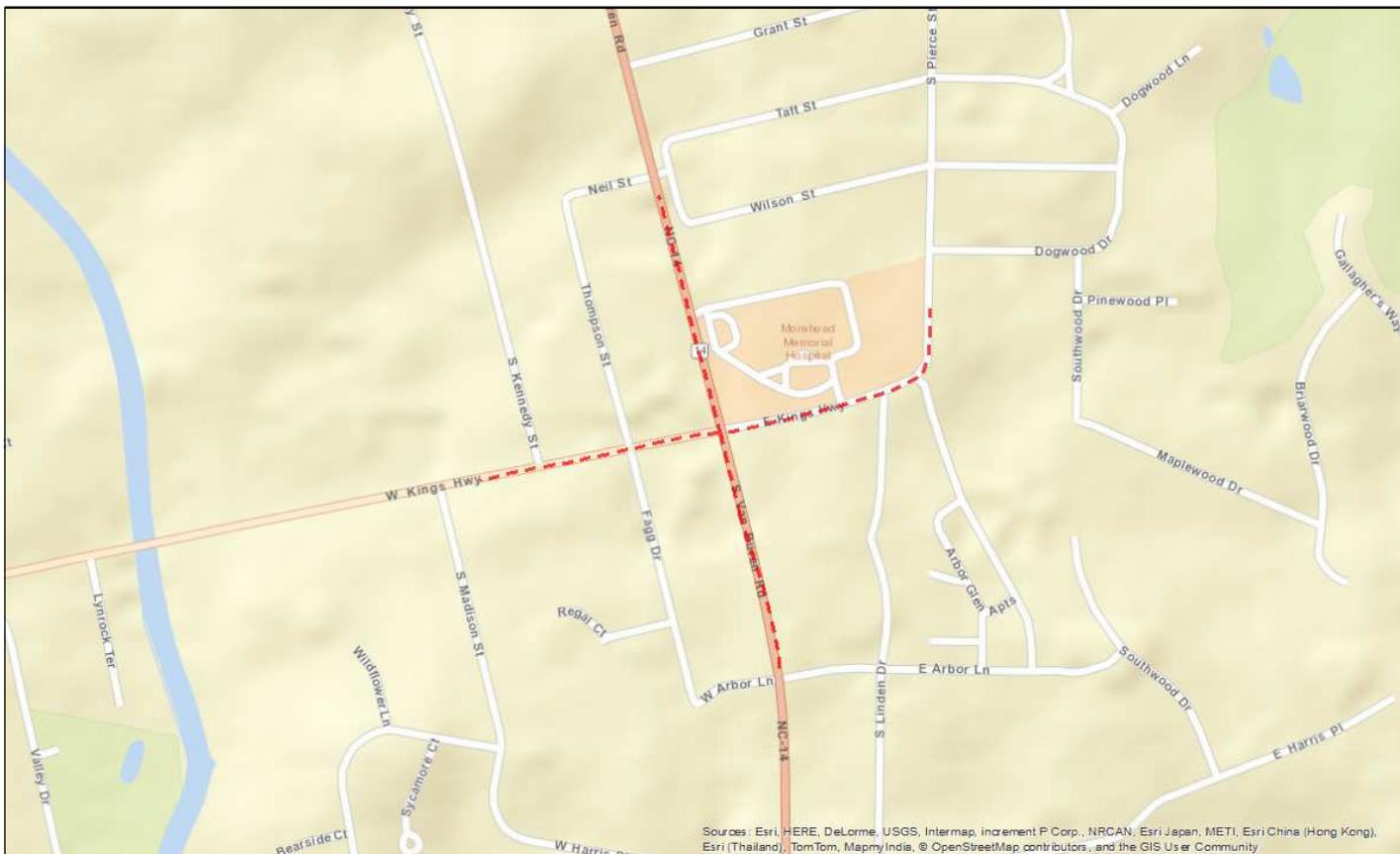
Upgrade at-grade intersection to diamond interchange

Division(s): Division 7

County(s): ROCKINGHAM

MPOS(s)/RPO(s): Piedmont Triad RPO

Project Location



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: 59.99

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 44.34	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 83.35		
[Travel Time] Benefit/Cost (25%) 2.32		
Accessibility / Connectivity (10%) 35.97		
Totals: Weight: 70% Weighted Score: 29.99		

Division Needs Total Score: 42.67

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 2.32	Percent: 25% Points: 0	Percent: 25% Points: 100
Congestion (V/C) (20%) 44.34		
Safety (10%) 83.35		
Totals: Weight: 50% Weighted Score: 17.67		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles);	2
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	31973.82
Capacity:	60808.82
Volume/Capacity Ratio:	0.53
% Autos:	92%
% Trucks:	8%
Truck Volume:	2639.08
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	66.7
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	98
Actual Congested Speed:	16.41
Travel Time Index:	2.13

Project Benefits

Project Cross-Section:	
Speed Limit:	35
Length (miles):	2
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	726000
Travel Time Savings for 30 Years (Autos):	666076.82
Travel Time Savings for 30 Years (Trucks):	59923.18
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	Yes
CTP/LRTP Name:	Rockingham Co. CTP
CTP/LRTP Completion Year:	2010
Submitted by:	Division 7

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

Project Ownership

Division

Division	Percent	Regional Impact	Division Needs
Division 7	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Piedmont Triad RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$5,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,380,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$7,130,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$7,130,000	