



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090620

Mode: Highway

Status: Submitted

## SR-1804 (Ratchford Road (North Dallas Bypass East))

From/Cross Street: NC 279 (Lower Dallas Highway)

Specific Improvement Type: 6 - Widen Existing Roadway and Construct Part on New Location

To: US 321

Project Category: Division Needs

Length: 3.34

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$22,176,000

### Description:

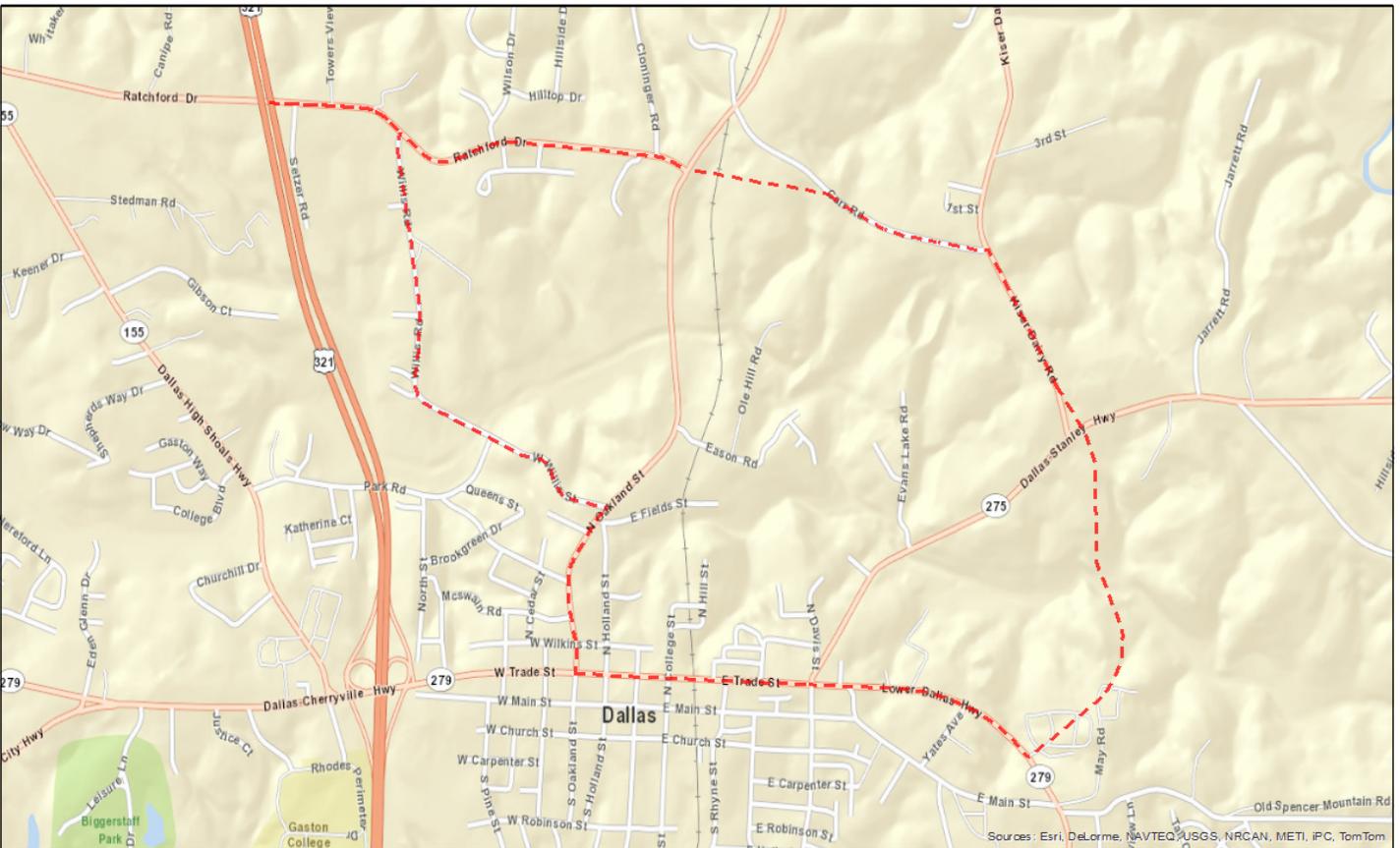
Widen Existing Two Lane Road to Three Lanes. one-Half Mile of Road on New Location.

Division(s): Division 12

County(s): GASTON

MPOS(s)/RPO(s): Gaston-Cleveland-Lincoln MPO

### Project Location



**Statewide Mobility Total Score: 0**

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

**Regional Impact Total Score: 0**

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

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 39.91	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 71.51		
[Travel Time] Benefit/Cost (20%) 0.00		
<b>Totals: Weight: 50% Weighted Score: 15.13</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	40
Length (miles);	3.3
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Local
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	9507.81
Capacity:	15800.99
Volume/Capacity Ratio:	0.6
% Autos:	94%
% Trucks:	6%
Truck Volume:	535.72
Crash Density:	83.2
Crash Severity:	70.06
Critical Crash Rate:	61.29
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	91
Actual Congested Speed:	20.88
Travel Time Index:	1.14

**Project Benefits**

Project Cross-Section:	3B - 2 Lane with Two Way Left Turn Lane, Curb & Gutter, and Sidewalks
Speed Limit:	40
Length (miles):	3.34
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	-135995.73
Travel Time Savings for 30 Years (Autos):	-128332.95
Travel Time Savings for 30 Years (Trucks):	-7662.78
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 12

\* 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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 12	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Gaston-Cleveland-Lincoln MPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$20,178,000	TIP Unit
Right-of-Way Cost:	\$1,784,000	Cost Estimation Tool
Utilities Cost:	\$214,000	Cost Estimation Tool
Total Project Cost:	\$22,176,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$22,176,000</b>	