



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090208-A

Mode: Highway

Status: Submitted

NC-279

From/Cross Street: Cherryville

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1626 (Sunbeam Farm Road)

Project Category: Regional Impact

Length: 0.71

TIP#: R-3107A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$11,300,000

Description:

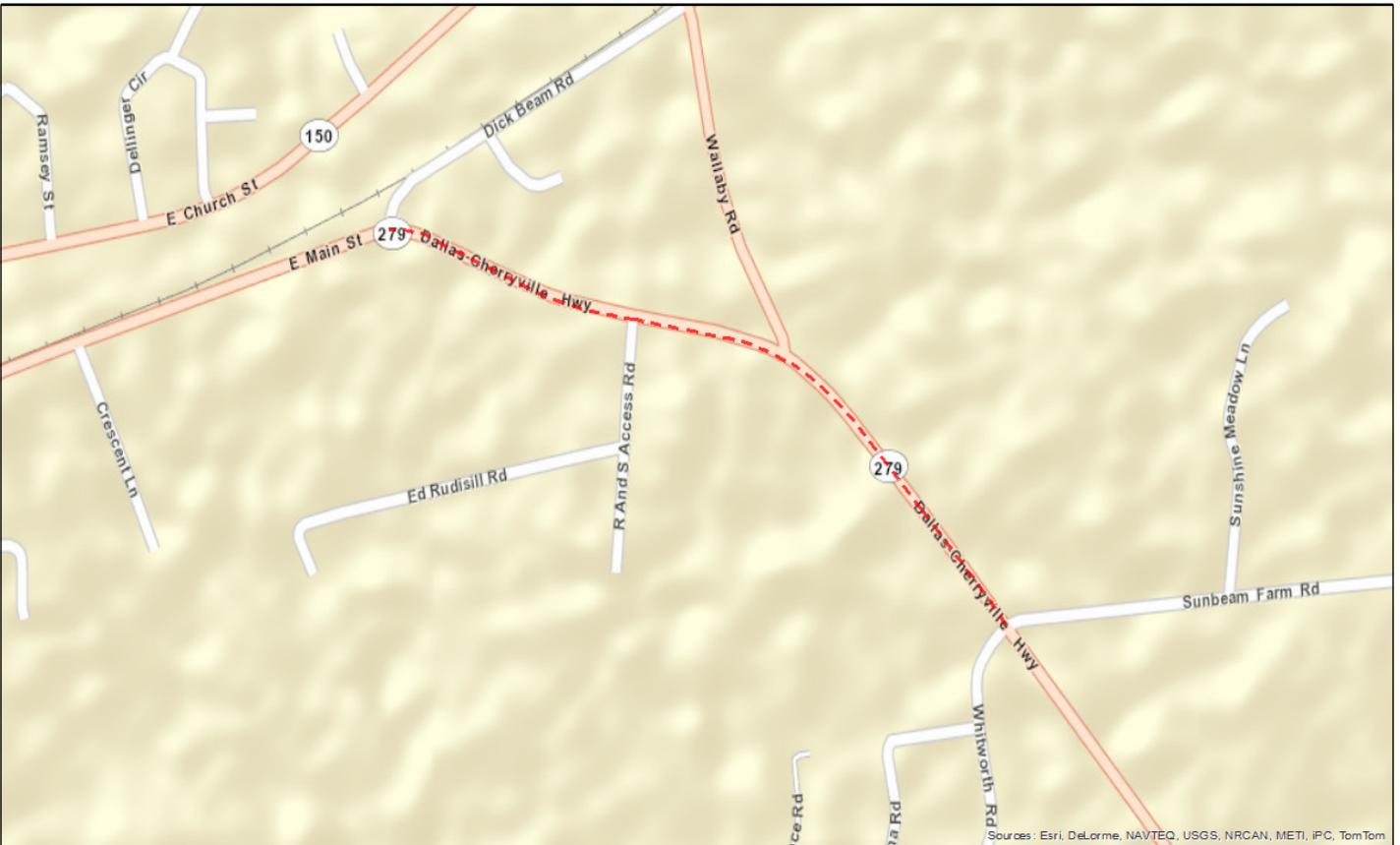
Widen to Multi-Lanes

Division(s): Division 12

County(s): GASTON

MPOS(s)/RPO(s): Gaston-Cleveland-Lincoln 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 |
|--|--------------------------------------|----------------------------|
| Congestion (V/C) (25%) 24.37 | Percent: 15% Points: | Percent: 15% Points: |
| Safety (10%) 69.58 | | |
| [Travel Time] Benefit/Cost (25%) 0.44 | | |
| Accessibility / Connectivity (10%) 17.87 | | |
| Totals: Weight: 70% Weighted Score: 14.95 | | |

Division Needs Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|--------------------------------------|----------------------------|
| Congestion (V/C) (20%) 24.37 | Percent: 25% Points: | Percent: 25% Points: |
| Safety (10%) 69.58 | | |
| [Travel Time] Benefit/Cost (20%) 0.44 | | |
| Totals: Weight: 50% Weighted Score: 11.92 | | |

Project Data ***Existing Conditions**

| | |
|---|----------------|
| Existing Cross-Section: | |
| Speed Limit: | 46 |
| Length (miles): | 0.71 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| Lane Width: | 12 |
| Paved Shoulder Width: | 0 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 5800.05 |
| Capacity: | 15781.51 |
| Volume/Capacity Ratio: | 0.37 |
| % Autos: | 100% |
| % Trucks: | 0% |
| Truck Volume: | 0 |
| Crash Density: | 80.69 |
| Crash Severity: | 80.69 |
| Critical Crash Rate: | 47.38 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 2 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 27 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 80 |
| Actual Congested Speed: | 39.53 |
| Travel Time Index: | 1.15 |

Project Benefits

| | |
|--|---|
| Project Cross-Section: | 4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders |
| Speed Limit: | 55 |
| Length (miles): | 0.71 |
| Facility Type: | Arterial |
| Access Control: | Partial |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 2 |
| Travel Time Savings for 30 Years (Total): | 225164.76 |
| Travel Time Savings for 30 Years (Autos): | 225164.76 |
| 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 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

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|---------|-----------------|----------------|
| Division 12 | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 0 | 0 |

MPO/RPO

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

Project Cost and Source

| | | |
|------------------------|---------------------|----------|
| Construction Cost: | \$8,800,000 | TIP Unit |
| Right-of-Way Cost: | \$2,500,000 | TIP Unit |
| Utilities Cost: | \$0 | TIP Unit |
| Total Project Cost: | \$11,300,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$11,300,000 | |