



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090362-B

**Mode:** Highway

**Status:** Submitted

## NC-65, NC-87 (Bethania-Rural Hall road)

**From/Cross Street:** US 52

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** NC 66 in Rural Hall

**Project Category:** Regional Impact

**Length:** 2.47

**TIP#:** U-2730B

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$63,468,000

### Description:

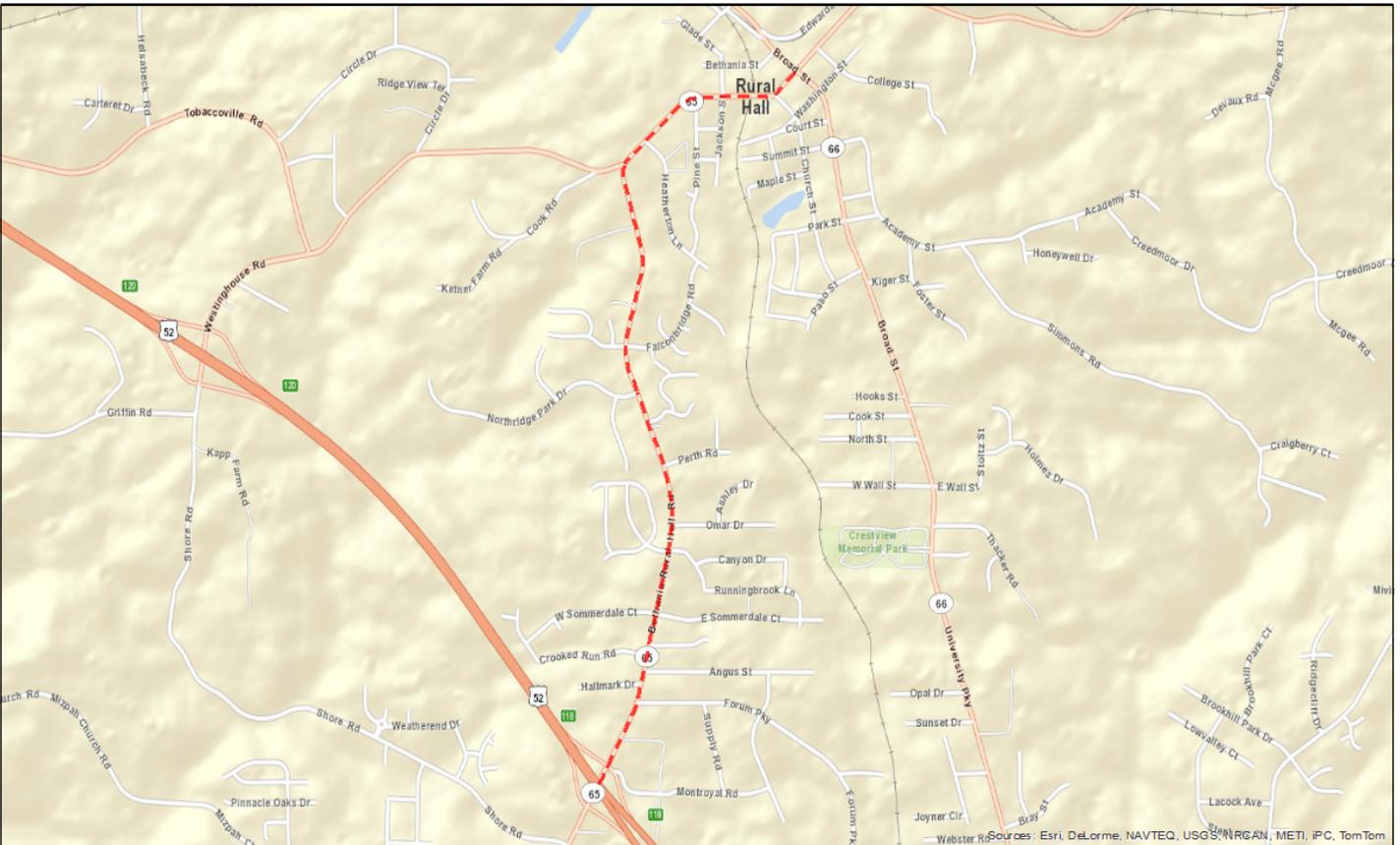
US 52 to NC 66 in Rural Hall. Widen to Multilanes.

**Division(s):** Division 9

**County(s):** FORSYTH

**MPOS(s)/RPO(s):** Winston Salem Urban Area 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 |
|--|--------------------------------------|----------------------------|
| Accessibility / Connectivity (10%) 13.53         | Percent: 15%<br>Points:              | Percent: 15%<br>Points:    |
| Congestion (V/C) (25%) 44.40                     |                                      |                            |
| Safety (10%) 48.23                               |                                      |                            |
| [Travel Time] Benefit/Cost (25%) 1.22            |                                      |                            |
| <b>Totals: Weight: 70% Weighted Score: 17.58</b> |                                      |                            |

**Division Needs Total Score: 0**

| Quantitative Score                               | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|--------------------------------------|----------------------------|
| Congestion (V/C) (20%) 44.40                     | Percent: 25%<br>Points:              | Percent: 25%<br>Points:    |
| Safety (10%) 48.23                               |                                      |                            |
| [Travel Time] Benefit/Cost (20%) 1.22            |                                      |                            |
| <b>Totals: Weight: 50% Weighted Score: 13.95</b> |                                      |                            |

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

|   |                |
|---|----------------|
| Existing Cross-Section:                     |                |
| Speed Limit:                                | 35             |
| Length (miles):                             | 2.47           |
| Facility Type:                              | Arterial       |
| Access Control:                             | None           |
| Functional Classification:                  | Minor Arterial |
| Terrain Type:                               | Rolling        |
| Lane Width:                                 | 12             |
| Paved Shoulder Width:                       | 0              |
| Roadway has Curb & Gutter?                  | Yes            |
| Volume (AADT):                              | 10577.35       |
| Capacity:                                   | 15799.55       |
| Volume/Capacity Ratio:                      | 0.67           |
| % Autos:                                    | 95%            |
| % Trucks:                                   | 5%             |
| Truck Volume:                               | 540.22         |
| Crash Density:                              | 45.92          |
| Crash Severity:                             | 52.87          |
| Critical Crash Rate:                        | 45.92          |
| Crash Frequency:                            | 0              |
| Severity Index:                             | 0              |
| County Tier Designation:                    | 3              |
| Non-Interstate STRAHNET Route?              | No             |
| Average Commuting Time:                     | 25             |
| Existing Median Type (for Cost Estimation): | Undivided      |
| Pavement Condition Rating:                  | 62             |
| Actual Congested Speed:                     | 33.19          |
| Travel Time Index:                          | 1.05           |

**Project Benefits**

|  |   |
|--|---|
| Project Cross-Section:                                 | 4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders |
| Speed Limit:   | 45  |
| Length (miles):  | 2.47  |
| 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):              | 3459371.27  |
| Travel Time Savings for 30 Years (Autos):              | 3282688.58  |
| Travel Time Savings for 30 Years (Trucks):             | 176682.69   |
| 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 9  |

\* 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 9                   | 100%    | 0               | 0              |
|                              | 0%      | 0               | 0              |
|                              | 0%      | 0               | 0              |
| <b>TOTAL Division Points</b> |         | <b>0</b>        | <b>0</b>       |

**MPO/RPO**

| MPO/RPO                      | Percent | Regional Impact | Division Needs |
|------------------------------|---------|-----------------|----------------|
| Winston Salem Urban Area 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:     | \$17,214,000        | TIP Unit             |
| Right-of-Way Cost:     | \$41,298,000        | Cost Estimation Tool |
| Utilities Cost:        | \$4,956,000         | Cost Estimation Tool |
| Total Project Cost:    | \$63,468,000        |                      |
| Other Funding:         | \$0                 | None                 |
| <b>Cost to NCDOT :</b> | <b>\$63,468,000</b> |                      |