



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090604

**Mode:** Highway

**Status:** Submitted

**From/Cross Street:** US 66 /N Main St./High Point Road

**To:** I 40

**Length:** 7.05

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

**Project Category:** Regional Impact

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$67,413,000

**Description:**

Fs 0707B High Point Airport Connector

**Division(s):** Division 7, Division 9

**County(s):** GUILFORD, FORSYTH

**MPOS(s)/RPO(s):** High Point Urban Area MPO, 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: 27.62**

| Quantitative Score                               | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|--------------------------------------|----------------------------|
| Congestion (V/C) (25%) 30.48                     | Percent: 15%<br>Points: 0            | Percent: 15%<br>Points: 96 |
| Safety (10%) 49.10                               |                                      |                            |
| [Travel Time] Benefit/Cost (25%) 0.00            |                                      |                            |
| Accessibility / Connectivity (10%) 6.87          |                                      |                            |
| <b>Totals: Weight: 70% Weighted Score: 13.22</b> |                                      |                            |

**Division Needs Total Score: 11.01**

| Quantitative Score                               | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|--------------------------------------|----------------------------|
| Congestion (V/C) (20%) 30.48                     | Percent: 25%<br>Points: 0            | Percent: 25%<br>Points: 0  |
| [Travel Time] Benefit/Cost (20%) 0.00            |                                      |                            |
| Safety (10%) 49.10                               |                                      |                            |
| <b>Totals: Weight: 50% Weighted Score: 11.01</b> |                                      |                            |

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

|   |                |
|---|----------------|
| Existing Cross-Section:                     |                |
| Speed Limit:                                | 46             |
| Length (miles);                             | 6.81           |
| Facility Type:                              | Arterial       |
| Access Control:                             | None           |
| Functional Classification:                  | Minor Arterial |
| Terrain Type:                               | Rolling        |
| Lane Width:                                 | 11             |
| Paved Shoulder Width:                       | 0              |
| Roadway has Curb & Gutter?                  | No             |
| Volume (AADT):                              | 7299.44        |
| Capacity:                                   | 15892.7        |
| Volume/Capacity Ratio:                      | 0.46           |
| % Autos:                                    | 94%            |
| % Trucks:                                   | 6%             |
| Truck Volume:                               | 402.23         |
| Crash Density:                              | 68.44          |
| Crash Severity:                             | 46.09          |
| Critical Crash Rate:                        | 32.8           |
| Crash Frequency:                            | 0              |
| Severity Index:                             | 0              |
| County Tier Designation:                    | 2              |
| Non-Interstate STRAHNET Route?              | No             |
| Average Commuting Time:                     | 21             |
| Existing Median Type (for Cost Estimation): | Undivided      |
| Pavement Condition Rating:                  | 82             |
| Actual Congested Speed:                     | 28.28          |
| Travel Time Index:                          | 1.17           |

**Project Benefits**

|  |   |
|--|---|
| Project Cross-Section:                                 | 4D - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks |
| Speed Limit:   | 45  |
| Length (miles):  | 7.05  |
| Facility Type:   | Arterial  |
| Access Control:  | Partial   |
| Functional Classification:                             | Other Principal Arterial  |
| Terrain Type:  | Rolling   |
| DOT Design Lane Width:                                 | 12  |
| DOT Design Paved Shoulder Width:                       | 2   |
| Travel Time Savings for 30 Years (Total):              | -272277.71  |
| Travel Time Savings for 30 Years (Autos):              | -257274.12  |
| Travel Time Savings for 30 Years (Trucks):             | -15003.59   |
| 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 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**

| <b>Division</b>              | <b>Percent</b> | <b>Regional Impact</b> | <b>Division Needs</b> |
|------------------------------|----------------|------------------------|-----------------------|
| Division 7                   | 72%            | 0                      | 0                     |
| Division 9                   | 28%            | 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> |
|------------------------------|----------------|------------------------|-----------------------|
| High Point Urban Area MPO    | 96%            | 96                     | 0                     |
| Winston Salem Urban Area MPO | 4%             | 0                      | 0                     |
|                              | 0%             | 0                      | 0                     |
| <b>TOTAL MPO/RPO Points</b>  |                | <b>96</b>              | <b>0</b>              |

**Project Cost and Source**

|                        |                     |                      |
|------------------------|---------------------|----------------------|
| Construction Cost:     | \$60,534,000        | TIP Unit             |
| Right-of-Way Cost:     | \$6,142,000         | Cost Estimation Tool |
| Utilities Cost:        | \$737,000           | Cost Estimation Tool |
| Total Project Cost:    | \$67,413,000        |                      |
| Other Funding:         | \$0                 | None                 |
| <b>Cost to NCDOT :</b> | <b>\$67,413,000</b> |                      |