US 58 Arterial Preservation Plan
Figure 31
Intersections & Median Crossovers
Brunswick County

<table>
<thead>
<tr>
<th>Crossover</th>
<th>I-# - Intersection #</th>
<th>C-# - Crossover #</th>
<th>Recommendation</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-55</td>
<td></td>
<td></td>
<td>No recommendation</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>C-56</td>
<td></td>
<td></td>
<td>Remove crossover</td>
<td>$0.2M to $0.3M</td>
</tr>
<tr>
<td>C-57</td>
<td></td>
<td></td>
<td>No recommendation</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>C-58</td>
<td></td>
<td></td>
<td>No recommendation</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>C-59</td>
<td></td>
<td></td>
<td>No recommendation</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>C-60</td>
<td></td>
<td></td>
<td>Reconfigure crossover to U-turn area for Intersection #61. Permit westbound US 58 left-turn movements.</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
US 58 Arterial Preservation Plan
Figure 32
Intersections & Median Crossovers
Brunswick County

Intersection 61: Evans Creek Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Reconfigure Crossovers #60 & 61 to U-turn areas.
Cost: $1.5M to $2.2M

Crossover 61:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 62:
Recommendation: Reconfigure crossover to U-turn area for Intersection #61. Permit eastbound US 58 left-turn movements.
Cost: Not Applicable

Crossover 63:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 62: Grandy Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Reconfigure Crossover #63 to U-turn area and construct east U-turn area.
Cost: $1.3 to $2.1

Crossover 64:
Recommendation: No recommendation
Cost: Not Applicable
### Intersections & Median Crossovers

<table>
<thead>
<tr>
<th>Crossover #</th>
<th>Intersection Description</th>
<th>Recommendation</th>
<th>Cost (M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-65</td>
<td>Union Woods Dr with US 58</td>
<td>No recommendation</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>C-66</td>
<td>Lengthen existing turn lanes on US 58</td>
<td>Recommended Removal</td>
<td>$0.6M to $1.0M</td>
</tr>
<tr>
<td>C-67</td>
<td>Remove crossover</td>
<td>Minor Improvement</td>
<td>$0.2M to $0.3M</td>
</tr>
<tr>
<td>C-68</td>
<td>Reconfigure crossover to U-turn area for Intersection #64. Permit westbound US 58 left-turn movements</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>C-69</td>
<td>Reconfigure intersection to restricted crossing U-turn (RCUT). Reconfigure Crossovers #68 &amp; 69 to U-turn areas</td>
<td>Major Improvement</td>
<td>$0.4M to $2.1M</td>
</tr>
</tbody>
</table>
US 58 Arterial Preservation Plan
Figure 34
Intersections & Median Crossovers
Brunswick County

<table>
<thead>
<tr>
<th>Intersection</th>
<th>Recommendation</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intersection 65: Northview Dr with US 58</td>
<td>Lengthen existing westbound left-turn lane and construct eastbound right turn lane on US 58.</td>
<td>$0.4M to $0.6M</td>
</tr>
<tr>
<td>Intersection 66: Cattail Dr with US 58</td>
<td>See Figure 35.</td>
<td>$2.3M to $3.4M</td>
</tr>
<tr>
<td>Crossover 69</td>
<td>Reconfigure crossover to U-turn area for Intersection #64.</td>
<td>See Intersection 68: Bright Leaf Rd with US 58</td>
</tr>
<tr>
<td>Crossover 70</td>
<td>Remove crossover</td>
<td>$0.2M to $0.3M</td>
</tr>
<tr>
<td>Crossover 71</td>
<td>Remove crossover</td>
<td>$0.2M to $0.3M</td>
</tr>
<tr>
<td>Crossover 72</td>
<td>See Figure 35.</td>
<td>See Intersection 66: Cattail Dr with US 58</td>
</tr>
<tr>
<td>Crossover 73</td>
<td>No recommendation</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
Intersection #66: US 58 and Cattail Dr
Mecklenburg County

Recommendation:
Reconfigure Crossover #72 with US 58 to a Continuous Green-T (CGT). Close north leg of Cattail Dr and permit right-in/right-out for the south leg.

Improve Route 46/US 58 Interchange by extending westbound accelerations lanes and eastbound deceleration lanes.

ROW Impacts:
All improvements are within the ROW

Improvement Type: Safety

Traffic Operations & Safety:
- Reduced delay for vehicles entering and exiting Brunswick Square. Longer merge area for Route 46 Interchange permits merging at higher safer speeds
- Reduced risk of angle crashes and conflicts with the Route 46 influence area. Longer acceleration and deceleration lanes at the Route 46 interchange reduces the risk of rear end and sideswipe crashes

Cost: $2.3M to $3.4M
US 58 Arterial Preservation Plan
Figure 36
Intersections & Median Crossovers
Brunswick County

Crossover 74:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 75:
Recommendation: No recommendation
Cost: Not Applicable

I-# - Intersection #
C-# - Crossover #
Intersection 67: Lawrenceville Plank Rd with US 58  
Recommendation: Lengthen all existing turn lanes on US 58.  
Cost: $0.5M to $0.8M

Crossover 76:  
Recommendation: Lengthen existing eastbound left-turn lane and construct westbound left-turn lane and eastbound right-turn lane on US 58.  
Cost: $0.7M to $1.0M

Intersection 68: Bright Leaf Rd with US 58  
Recommendation: See Figure 38  
Cost: $1.1M to $1.7M

Intersection 69: Airport Dr with US 58  
Recommendation: See Figure 38  
Cost: $0.3M to $0.6M

Crossover 77:  
Recommendation: Lengthen existing right-turn lane on US 58.  
Cost: $0.3M to $0.4M

Crossover 78:  
Recommendation: Lengthen existing right-turn lane on US 58.  
Cost: $0.1M to $0.3M

Intersection 70: Old Stage Rd with US 58  
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Utilize Crossover #78 & Intersection #71 for U-turn areas.  
Cost: $1.1M to $1.8M
Reconfigure intersection of Bright Leaf Rd with US 58 to a Continuous Green-T (CGT). Construct U-turn area west of main intersection to permit movements from Bright Leaf Rd or US 58 westbound to Airport Dr. Reconfigure the intersection of Airport Dr with US 58 to right-in/right-out. Construct U-turn area east of Airport Dr to permit movements from Airport Drive to Bright Leaf Rd or US 58 westbound. A restricted crossing U-turn (RCUT) alternative is also applicable for this location.

ROW Impacts: Most improvements are within the ROW. The extended eastbound right-turn lane may have little to none ROW impacts.

Improvement Type: Safety

Traffic Operations & Safety:
- Reduced delay for vehicles exiting Bright Leaf Rd and Airport Drive.
- Reduced risk of angle crashes at both the intersections of Bright Leaf Rd and Airport Dr with US 58.
- Increased sight-distance for turning vehicles. Eliminates trucks stopped in the median blocking traffic.

Cost: $1.4M to $2.3M
US 58 Arterial Preservation Plan
Figure 39
Intersections & Median Crossovers
Brunswick County

<table>
<thead>
<tr>
<th>Intersection</th>
<th>Recommendation</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intersection 71: County Pond Rd with US 58</td>
<td>Lengthen existing left turn lanes on US 58 and construct right turn lanes on US 58.</td>
<td>$0.4M to $0.6M</td>
</tr>
<tr>
<td>Crossover 79:</td>
<td>No recommendation</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Crossover 80:</td>
<td>No recommendation</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Intersection 72: Eastside Rd with US 58</td>
<td>Lengthen existing left-turn lanes and construct right-turn lanes on US 58. Consolidate access on westbound US 58.</td>
<td>$1.1M to $1.8M</td>
</tr>
<tr>
<td>Crossover 81:</td>
<td>No recommendation</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Intersection 73: Vulcan Quarry Ln with US 58</td>
<td>Lengthen existing westbound left-turn lane and construct eastbound right-turn lane on US 58.</td>
<td>$0.4M to $0.7M</td>
</tr>
</tbody>
</table>

Notes:
- I-# - Intersection #
- C-# - Crossover #

Legend:
- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement
Crossover 82:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 74:
Dominion Power with US 58
Recommendation: No recommendation
Cost: Not Applicable

Crossover 83:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 84:
Recommendation: No recommendation
Cost: Not Applicable
Figure 41
Intersections & Median Crossovers
Brunswick County

**Intersection 75:** Freemans Cross Rd with US 58
**Recommendation:** Reconfigure intersection to restricted crossing U-turn (RCUT). Utilize Crossovers #84 & Intersection #85 for U-turn areas.
**Cost:** $0.9M to $1.3M

**Crossover 85:**
**Recommendation:** Construct left-turn lanes on US 58.
**Cost:** $0.3M to $0.4M

**Crossover 86:**
**Recommendation:** No recommendation
**Cost:** Not Applicable

**Crossover 87:**
**Recommendation:** No recommendation
**Cost:** Not Applicable

**Crossover 88:**
**Recommendation:** No Recommendation.
**Cost:** Not Applicable