SR 140 CORRIDOR PLANNING STUDY
Project Corridor

- Along SR 140
- Begin Project: Riverstone Pkwy/Marietta Hwy
- End Project: Laurel Canyon Pkwy/Great Sky Pkwy
- Length: +/- 12,500 feet / 2.4 miles
- Speed Limit: 45 mph (55 mph north of Pearidge Rd)
Project Corridor

3 Major Signalized Intersections

1 - Riverstone Pkwy | Begin Project

2 - Reinhardt College Pkwy

3 - Laurel Canyon Pkwy/Great Sky Pkwy | End Project
Project Corridor

Minor/non-signalized intersections

Hospital Road and Shoal Creek Road

Hospital Road North

Pearidge Road South

Pearidge Road North

Puckett Creek Road

Puckett Creek/Lower Burris Rd
Origin  Destination

AM Peak Period

37%

63%
PM Peak Period

49%

51%

Origin ï
Destination
# Growth Rate

**SR 140 Corridor Growth Rate**

<table>
<thead>
<tr>
<th>Source</th>
<th>Growth Rate (Range)</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Historic AADT</td>
<td>0.86 - 2.75%</td>
<td>1.78%</td>
</tr>
<tr>
<td>GDOT TADA Counts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population</td>
<td>2.02 - 2.08%</td>
<td>2.05%</td>
</tr>
<tr>
<td>Census Bureau, Governor’s Office of Planning and Budget</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPO Model</td>
<td>1.06 - 2.46%</td>
<td>1.59%</td>
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<tr>
<td>ARC Model</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average</td>
<td></td>
<td>1.80%</td>
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Land Use

### Approved Future Growth + Development
(from the City of Canton's Horizon 2030 Comprehensive Plan)

#### Community Level Mixed-Use/Retail Center (CLMURC)

<table>
<thead>
<tr>
<th>Sub Area</th>
<th>Development Name</th>
<th>Pod</th>
<th>Units</th>
<th>Future Development Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fossilstone</td>
<td>Equestrian</td>
<td>Commercial/Office</td>
<td>807</td>
<td>55,956 sq ft</td>
</tr>
</tbody>
</table>

#### Suburban Development Area (SDA)

<table>
<thead>
<tr>
<th>Sub Area</th>
<th>Development Name</th>
<th>Pod</th>
<th>Units</th>
<th>Future Development Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Towne I</td>
<td>Park Village</td>
<td>Commercial/Office</td>
<td>80</td>
<td>41,000 sq ft</td>
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<tr>
<td>Oswald</td>
<td>Oswego</td>
<td>Office/Industrial</td>
<td>1,240</td>
<td>166,800 sq ft</td>
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<tr>
<td>Koa Bridge</td>
<td>Riverview</td>
<td>Residential</td>
<td>517</td>
<td>13,444 sq ft</td>
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<tr>
<td>Lonestar</td>
<td>Lonestar Canyon</td>
<td>Residential</td>
<td>750</td>
<td>531,530 sq ft</td>
</tr>
<tr>
<td>Pecan Ridge</td>
<td>Pecan Ridge</td>
<td>Residential</td>
<td>1,800</td>
<td>Undetermined</td>
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</table>
Operational Analysis

Existing Year (2018) AM

Laurel Canyon Pkwy — C — Great Sky Pkwy
A — Pearidge Rd
C — Reinhardt College Pkwy
B — Old Donaldson Rd
140 — Shoal Creek Rd
E — Hospital Rd
Marietta Hwy — Riverstone Pkwy

Existing Year (2018) PM

Laurel Canyon Pkwy — C — Great Sky Pkwy
C — Pearidge Rd
Reinhardt College Pkwy — Old Donaldson Rd
140 — Shoal Creek Rd
A — Hospital Rd
F — Marietta Hwy — Riverstone Pkwy
Operational Analysis

Open Year (2021) No-Build AM

Laurel Canyon Pkwy → C → Great Sky Pkwy
A → Pearidge Rd
C → Reinhardt College Pkwy
140
B → Old Donaldson Rd
B → Shoal Creek Rd
E → Hospital Rd
E → Marietta Hwy
E → Riverstone Pkwy

Open Year (2021) Build AM

Laurel Canyon Pkwy → C → Great Sky Pkwy
A → Pearidge Rd
B → Reinhardt College Pkwy
C → Old Donaldson Rd
D → Shoal Creek Rd
D → Mary Ln
B → Hospital Rd
B → Marietta Hwy
D → Riverstone Pkwy
Operational Analysis

Design Year (2041) No-Build AM

Laurel Canyon Pkwy — Great Sky Pkwy
Pearidge Rd — Reinhardt College Pkwy
Old Donaldson Rd — Shoal Creek Rd
Hospital Rd — Riverstone Pkwy

Design Year (2041) Build AM

Laurel Canyon Pkwy — Great Sky Pkwy
Pearidge Rd — Reinhardt College Pkwy
Old Donaldson Rd — Shoal Creek Rd
Mary Ln — Riverstone Pkwy
Safety Analysis
Short-Term Improvements

SR 140/Waleska St at Riverstone Pkwy/Marietta Hwy Intersection (Quick Response Project)

- Increase right turning lane storage on SR 140 Southbound at Riverstone Pkwy
- Right-in and right-out improvements at Walgreens Drwy and Hospital Rd
- Signal upgrade
- Estimate of Probable Costs $250,000
Interim Improvements

Area 1: SR 140/Waleska St at Riverstone Pkwy/Marietta Hwy Intersection

- Provide median on SR 140 southbound approach to restrict left turn movements to and from Walgreens Drwy and Hospital Rd
- Realign Shoal Creek Rd to align with Mary Lane
- Provide left turning lane on SR 140 Northbound onto realigned Shoal Creek Rd
- Provide right turning lane on SR 140 Northbound onto Mary Lane
- Provide left turning lane on SR 140 Southbound onto Mary Lane
- Provide right turning lane on SR 140 Southbound onto realigned Shoal Creek Rd
- Estimate of Probable Costs $3.75M
Interim Improvements

Area 2 • SR 140 at Hospital Rd/Old Donaldson Rd Intersection

• Realign Hospital Rd with Old Donaldson Rd
• Provide left turning lane on SR 140 Northbound onto realigned Old Donaldson Rd
• Provide right turning lane on SR 140 Northbound onto Hospital Rd
• Provide left turning lane on SR 140 Southbound onto Hospital Rd
• Provide right turning lane on SR 140 Southbound onto realigned Old Donaldson Rd
• Estimate of Probable Costs $1.6M
Interim Improvements

Area 3 - SR 140 at Reinhardt College Pkwy Intersection

- Provide a continuous green T-intersection at SR 140 at Reinhardt College Pkwy
- Provide right-in right-out at SR 140 at Mill Street intersection
- Provide right-in right-out at SR 140 at Vandiver Rd intersection
- Estimate of Probable Costs $2.4M
Interim Improvements

Area 4 i SR 140 at Belletta Dr and Pearidge Rd Intersection

- Realign Belletta Dr and Pearidge Rd
- Provide right turning lane on SR 140 Northbound onto Belletta Dr
- Provide right turning lane on SR 140 Northbound onto Pearidge Rd
- Provide left turning lane on SR 140 Southbound onto Belletta Dr
- Provide left turning lane on SR 140 Southbound onto Pearidge Rd
- Estimate of Probable Costs $1.6M
Interim Improvements

Area 5 ï SR 140 at Cross Street Intersection

- Realign cross street
- Provide right turning lane on SR 140 Northbound
- Estimate of Probable Costs $400,000
Interim Improvements

Area 6 | SR 140 at Pearidge Rd Intersection

- Realign Pearidge Rd
- Provide right turning lane on SR 140 Northbound onto Pearidge Rd
- Provide left turning lane on SR 140 Southbound onto Pearidge Rd
- Provide left turning lane on SR 140 Northbound onto driveway at Pearidge Rd intersection
- Provide left turning lane on SR 140 Northbound onto future development parcel driveway
- Provide right-in right-out at future development parcel driveway
- Estimate of Probable Costs $2.5M
Interim Improvements

Area 7 • SR 140 at Laurel CanyonPkwy/Great Sky Pkwy Intersection

- Reduce Laurel Canyon Pkwy Eastbound right turning radius
- Signal Improvements
- Estimate of Probable Costs $250,000
Long-Term Improvements

Area 1 — SR 140/Waleska St at Riverstone Pkwy/Marietta Hwy Intersection

- Provide a second left turning lane on Riverstone Pkwy Westbound
- Provide a second left turning lane on Marietta Hwy Eastbound
- Provide a second left turning lane on Waleska St Northbound
- Provide medians to restrict left turn movements to and from driveways on Riverstone Pkwy Westbound and Marietta Hwy Eastbound
- Provide a second receiving lane on SR 140 Northbound
- Estimate of Probable Costs $10.4M
Long-Term Improvements

Area 3 - SR 140 at Reinhardt College Pkwy

- Provide a multilane roundabout
- Estimate of Probable Costs $3.4M
Long-Term Improvements

Area 1-6: SR 140/Waleska St at Riverstone Pkwy/Marietta Hwy Intersection to SR 140 at Laurel Canyon/Great Sky intersection

- Provide 4-Lane divided roadway with median
- Provide 8-foot wide multi-purpose paths to improve pedestrian connections from Laurel Canyon Pkwy and Great Sky Pkwy to City of Canton
- Estimate of Probable Costs $40M (per Cherokee County, CTP Estimate by WSP)
Long-Term Improvements
Long-Term Improvements