

SR 140 CORRIDOR PLANNING STUDY



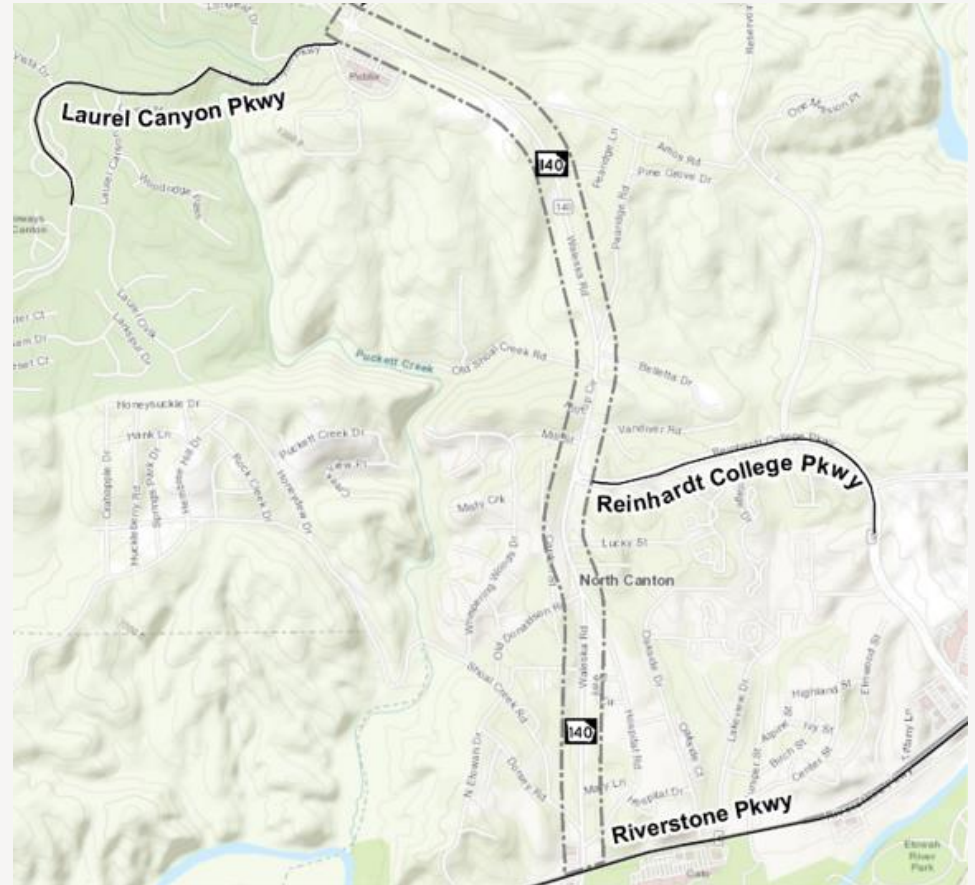
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Project Corridor

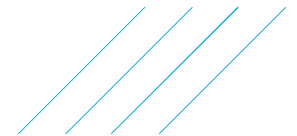
- Along SR 140
- Begin Project: Riverstone Pkwy/Marietta Hwy
- End Project: Laurel Canyon Pkwy/ Great Sky Pkwy
- Length: +/-12,500qpr 2.4 miles
- Speed Limit: 45 mph (55 mph north of Pearidge Rd)



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Project Corridor

3 Major Signalized Intersections



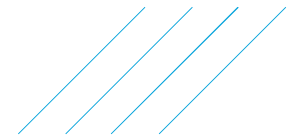
1 - Riverstone Pkwy | Begin Project



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



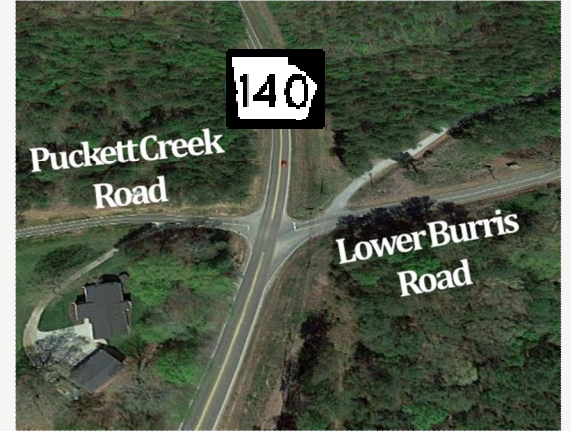
Hospital Road North



Pearidge Road North



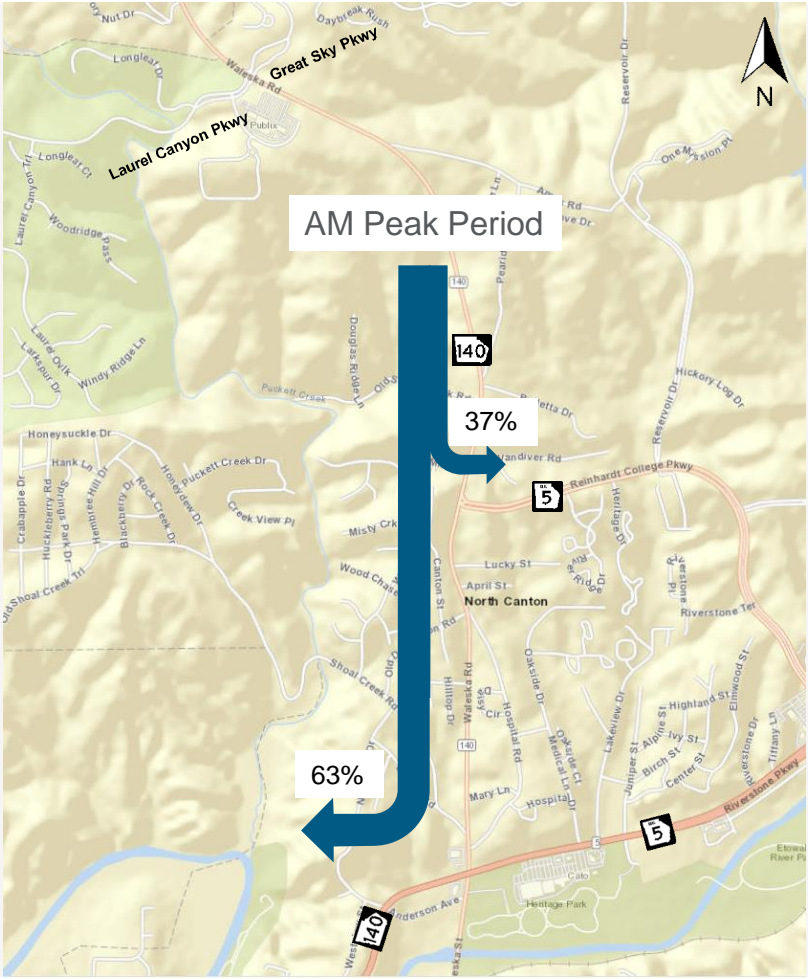
Pearidge Road South



Puckett Creek/Lower Burris Rd



Origin . Destination



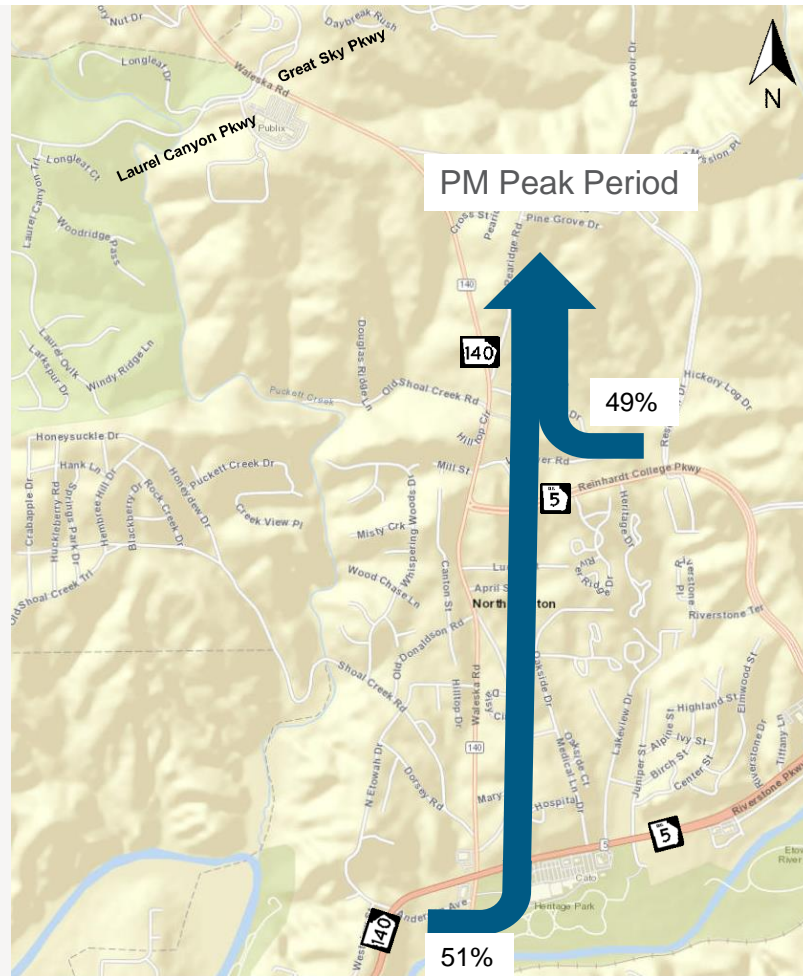
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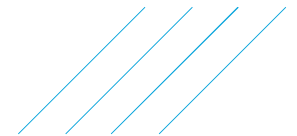
Origin .
Destination



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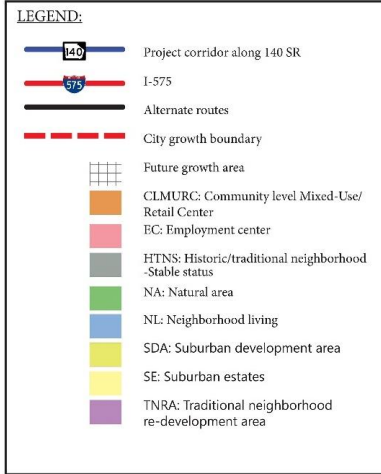
Growth Rate

SR 140 Corridor Growth Rate

Source		Growth Rate (Range)	Average
Historic AADT	GDOT TADA Counts	0.86 - 2.75%	1.78%
Population	Census Bureau, Governor's Office of Planning and Budget	2.02 - 2.08%	2.05%
MPO Model	ARC Model	1.06 - 2.46%	1.59%
Average			1.80%



Land Use



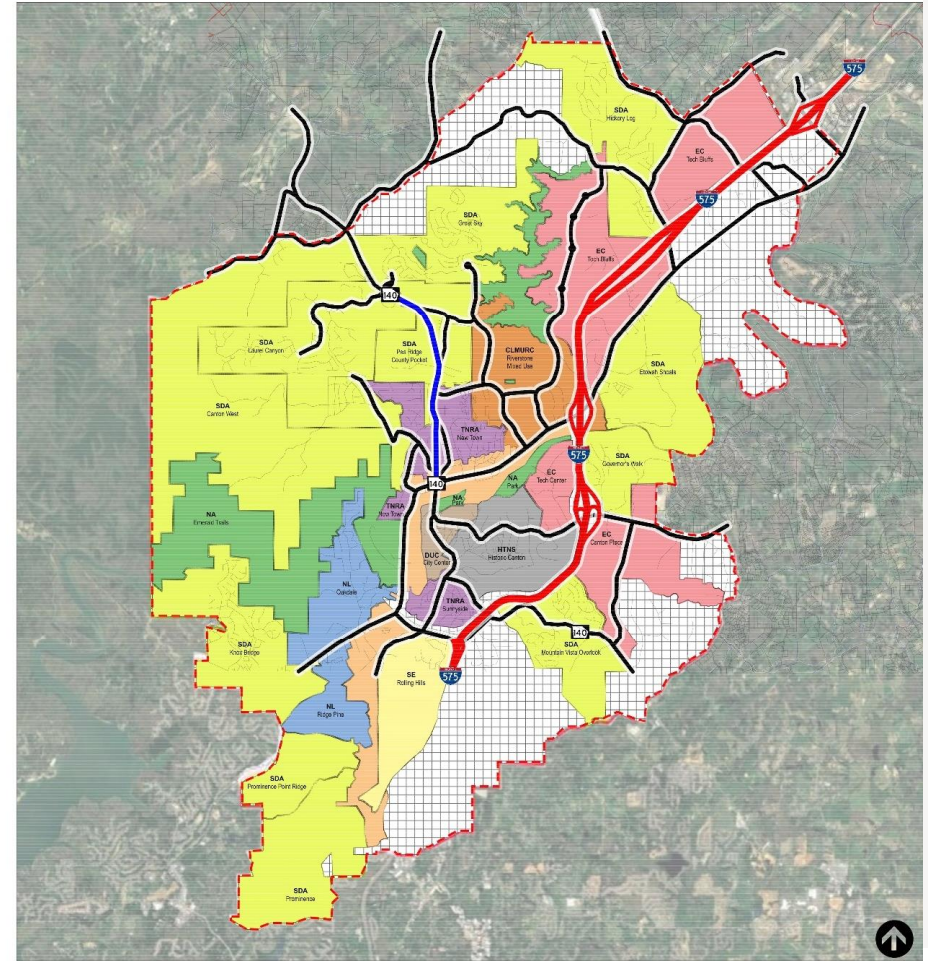
Approved Future Growth + Development (from the City of Canton's *Horizon 2030 Comprehensive Plan*)

Community Level Mixed-Use/Retail Center (CLMURC)

Sub Area	Development Name	Pod	Units	Future Development Area
Canton Place	Canton Place	SFR (Single Family Residential)	204	
		C/O (Commercial/Office)		1,558,247 sq ft
Riverstone	Riverstone	SFR Residential (R)	837	
		MF (Multifamily)	351	969,254 sq ft

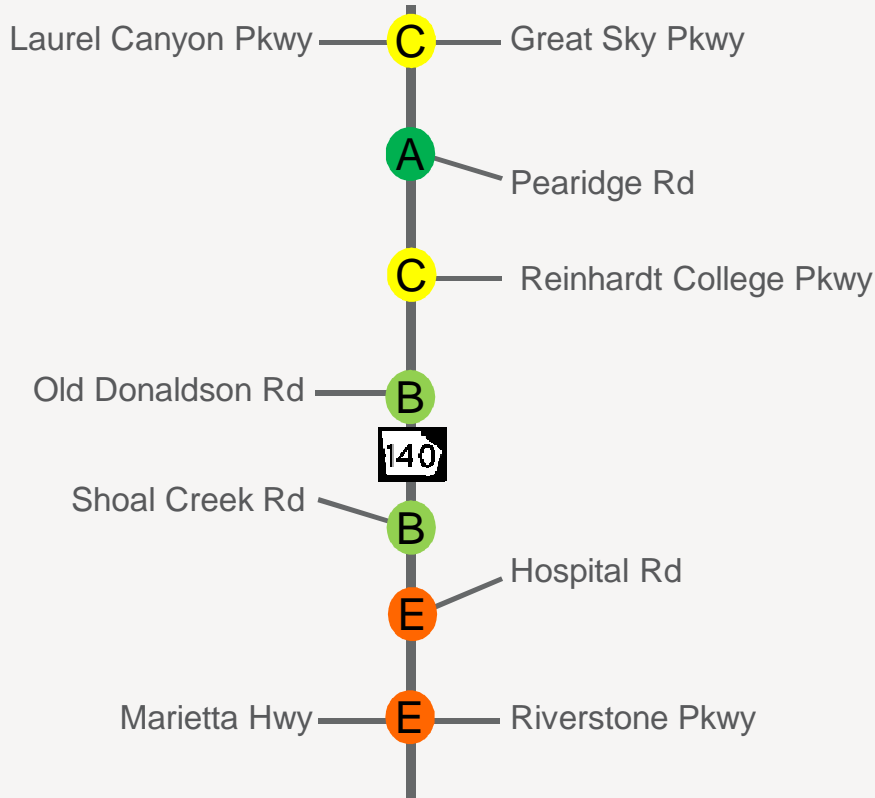
Suburban Development Area (SDA)

Sub Area	Development Name	Pod	Units	Future Development Area
Hickory Log	Towne Hill Summer Walk	SFR	541	
		TH (Townhomes)	92	44,000 sq ft
		C/O		152,000 sq ft
Park Village	Park Village	SFR	67	689,000 sq ft
		C (Commercial) C/I (Office Industrial)		
Etowah Shoals	Etowah Shoals	R	1,200	
		C/O		165,000 sq ft
Knox Bridge	River Green	SFR	517	13.4 AC
Laurel Canyon	Laurel Canyon	SFR	709	
		C/O		537,552 sq ft
Pea Ridge	Pea Ridge	R	1,809	
		C		Undetermined

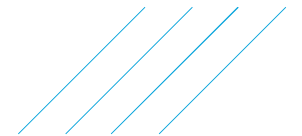
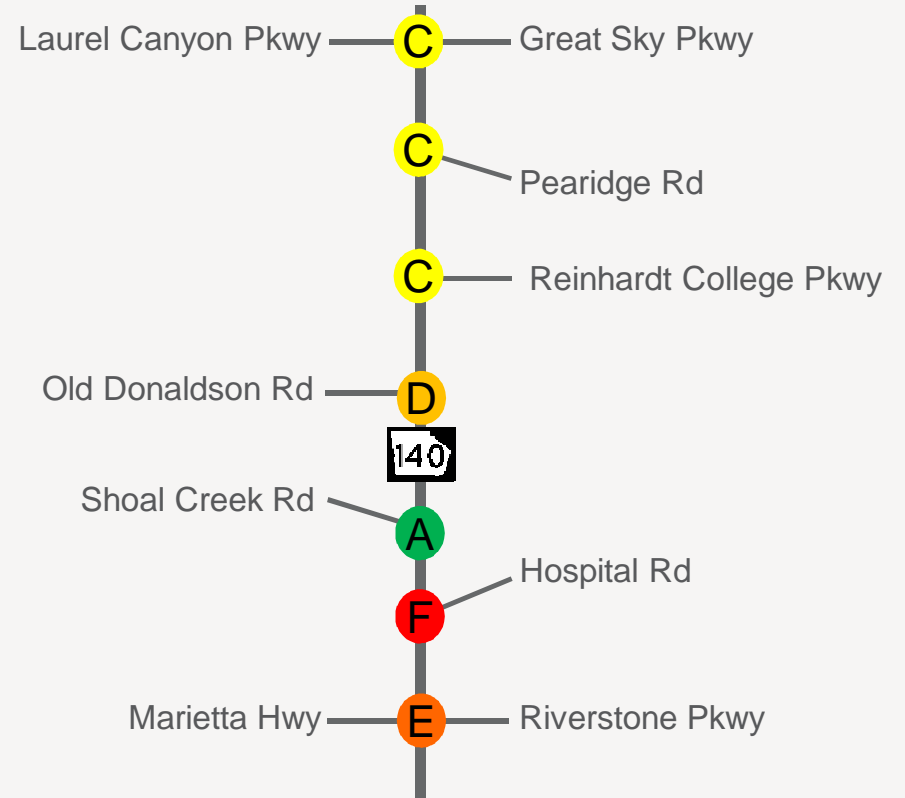


Operational Analysis

Existing Year (2018) AM

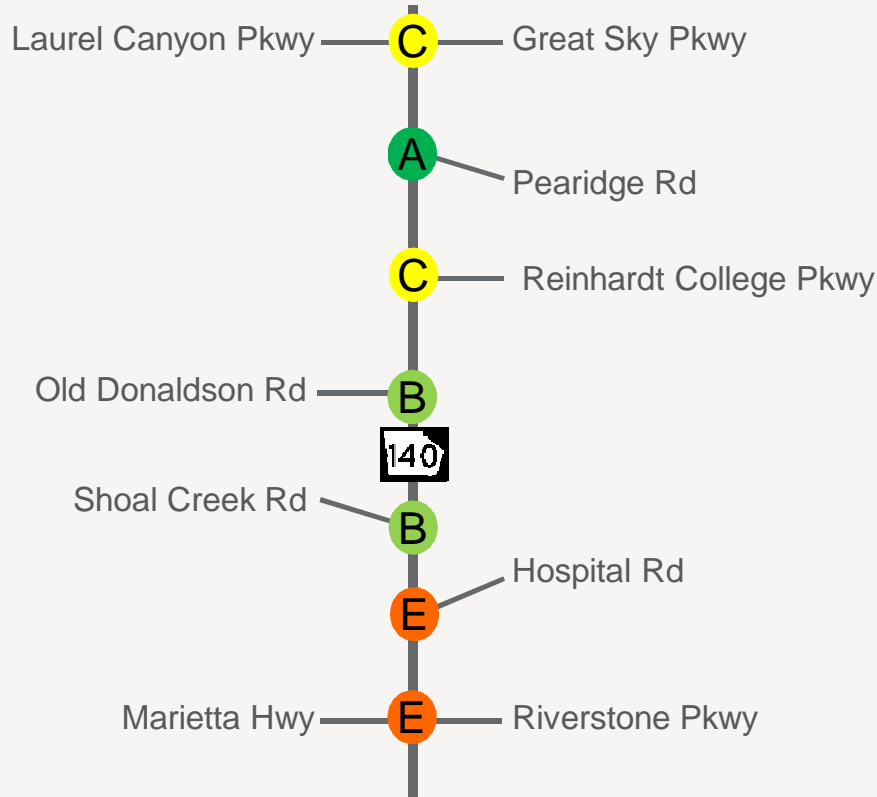


Existing Year (2018) PM

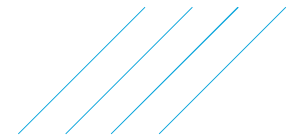
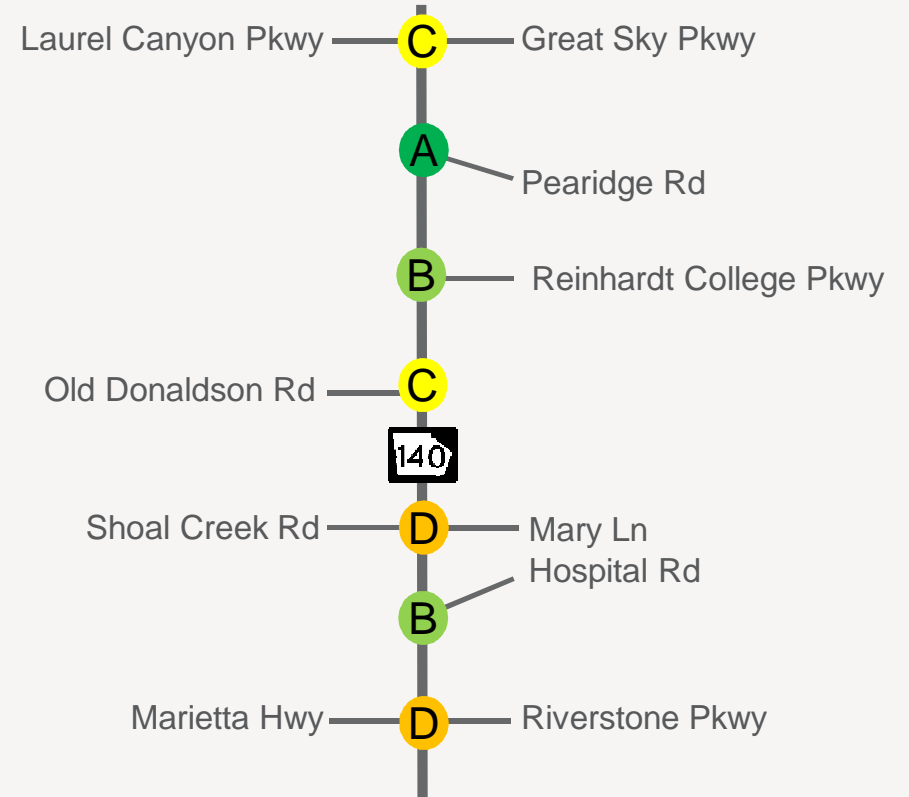


Operational Analysis

Open Year (2021) No-Build AM

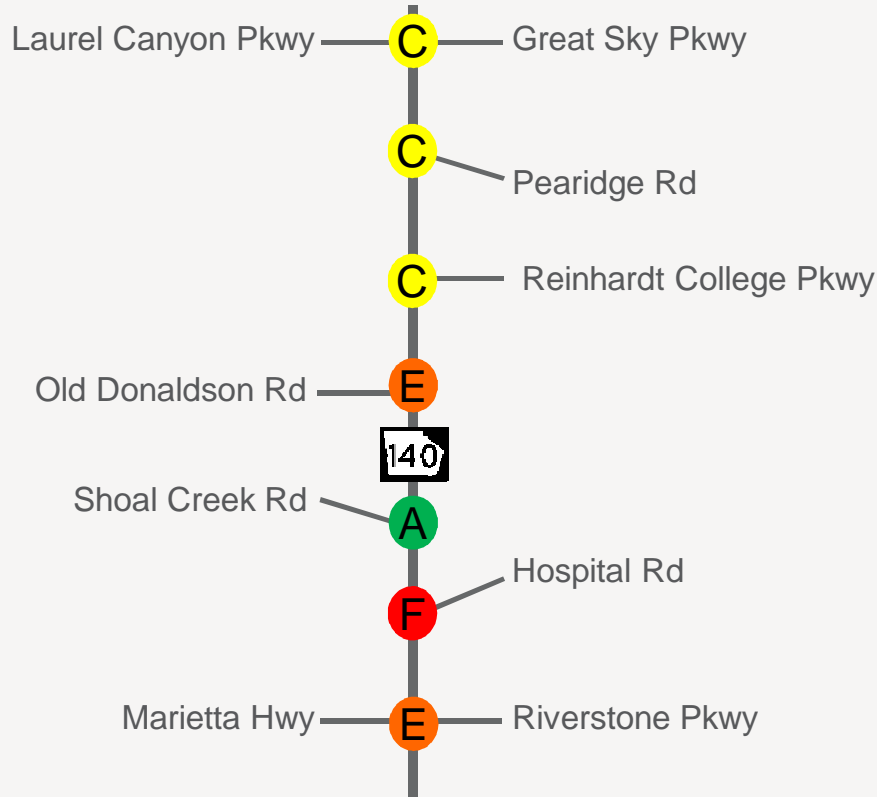


Open Year (2021) Build AM

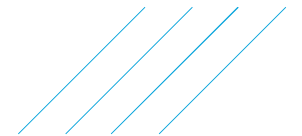
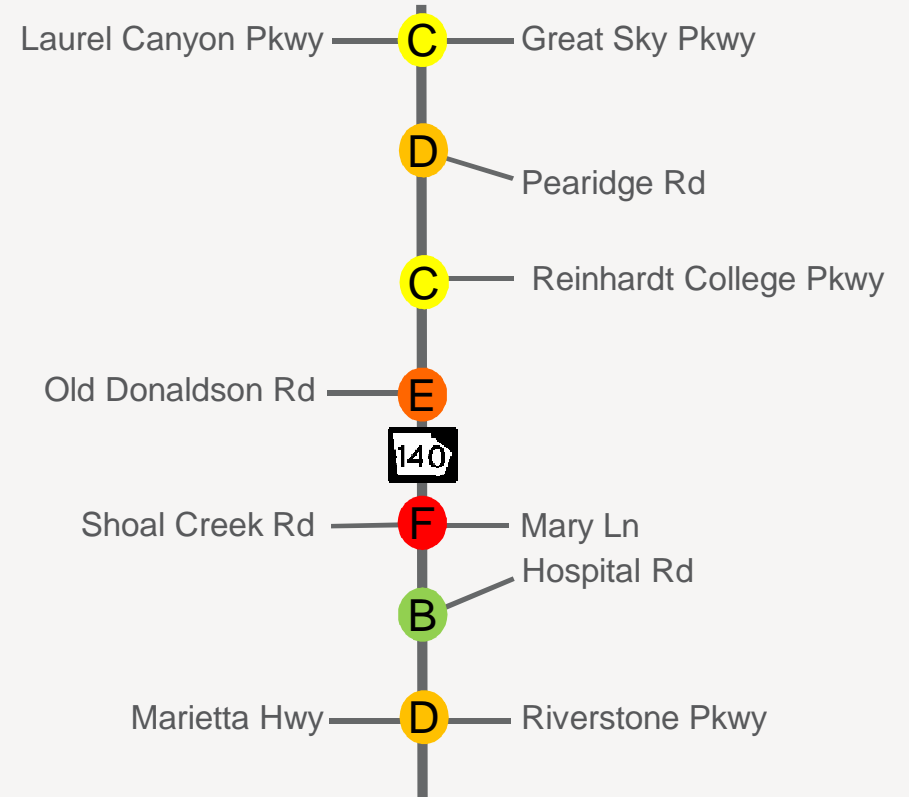


Operational Analysis

Open Year (2021) No-Build PM

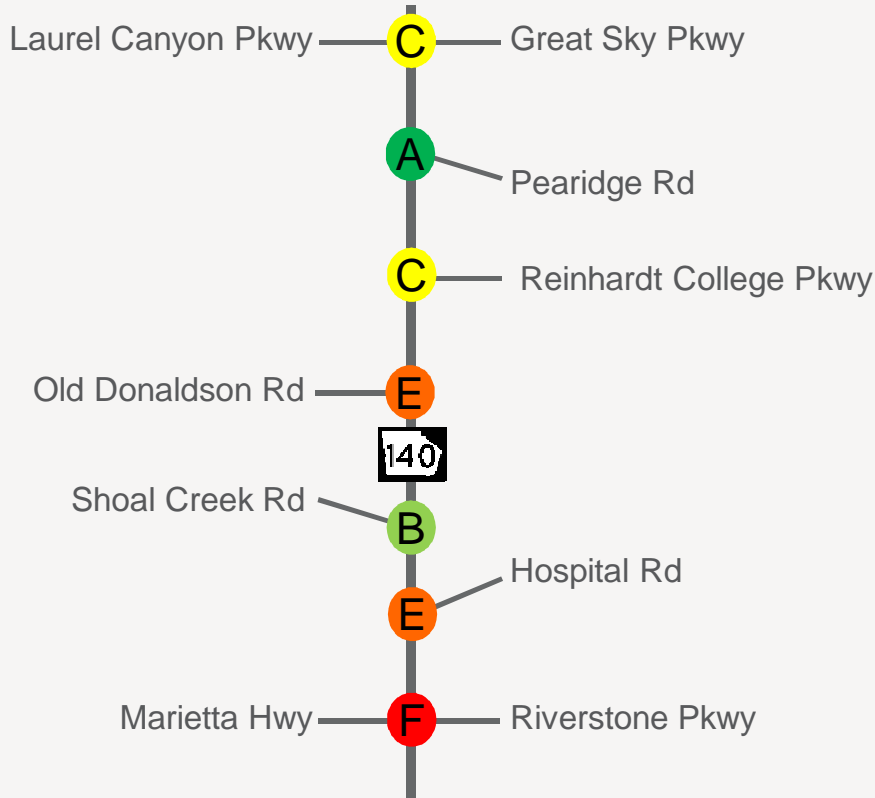


Open Year (2021) Build PM

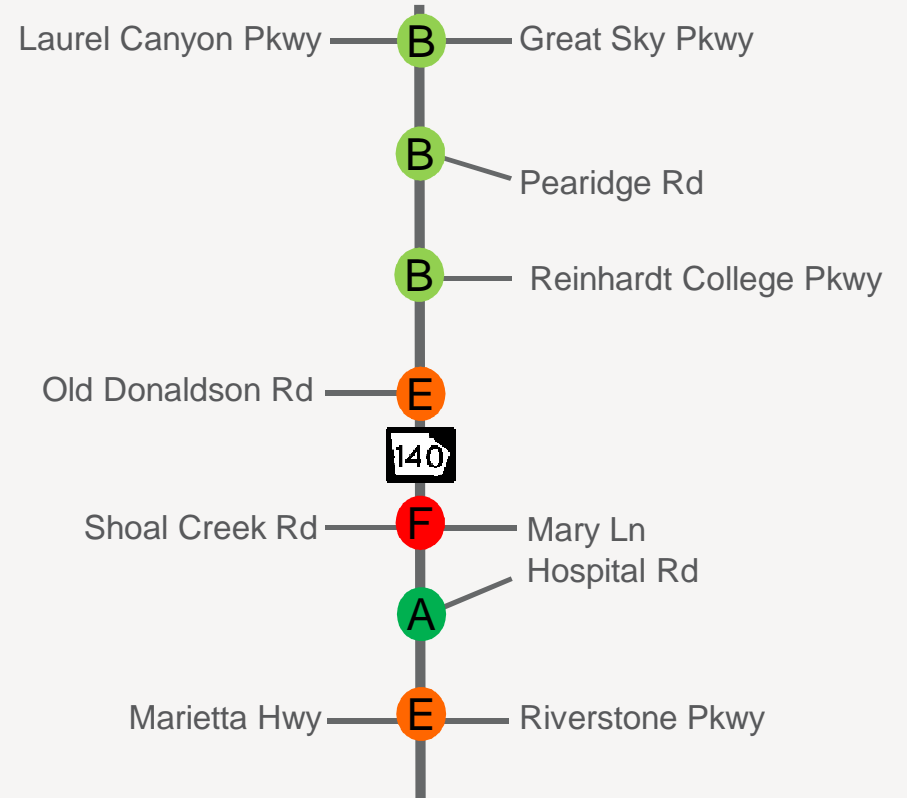


Operational Analysis

Design Year (2041) No-Build AM

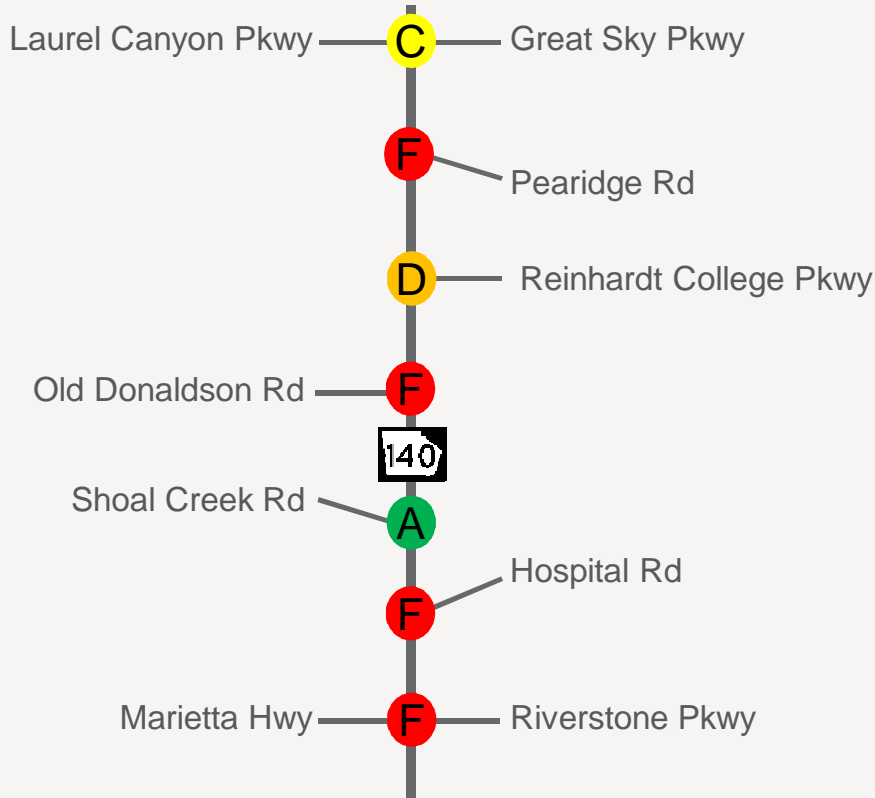


Design Year (2041) Build AM

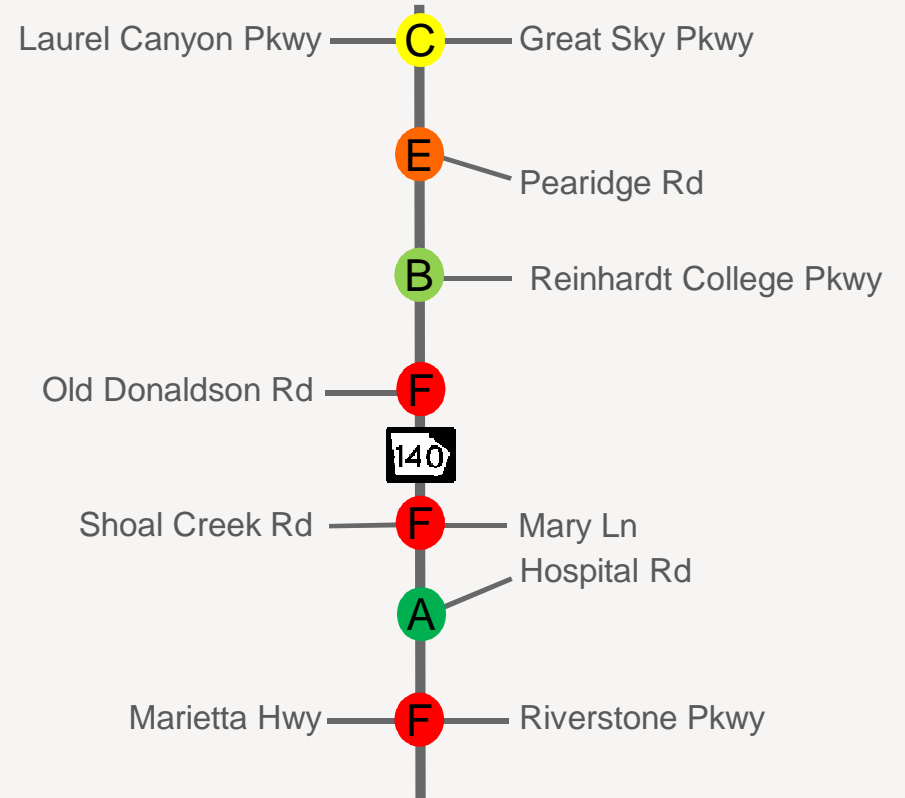


Operational Analysis

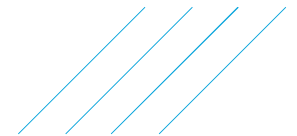
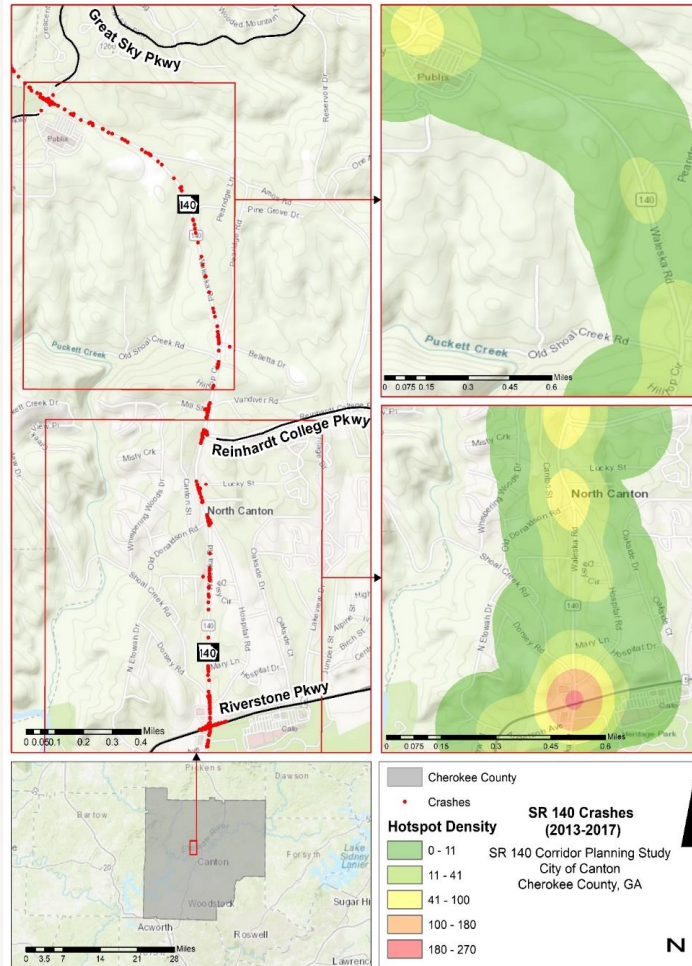
Design Year (2041) No-Build PM



Design Year (2041) Build PM



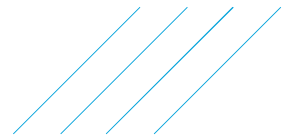
Safety Analysis



Short-Term Improvements

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

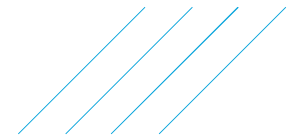
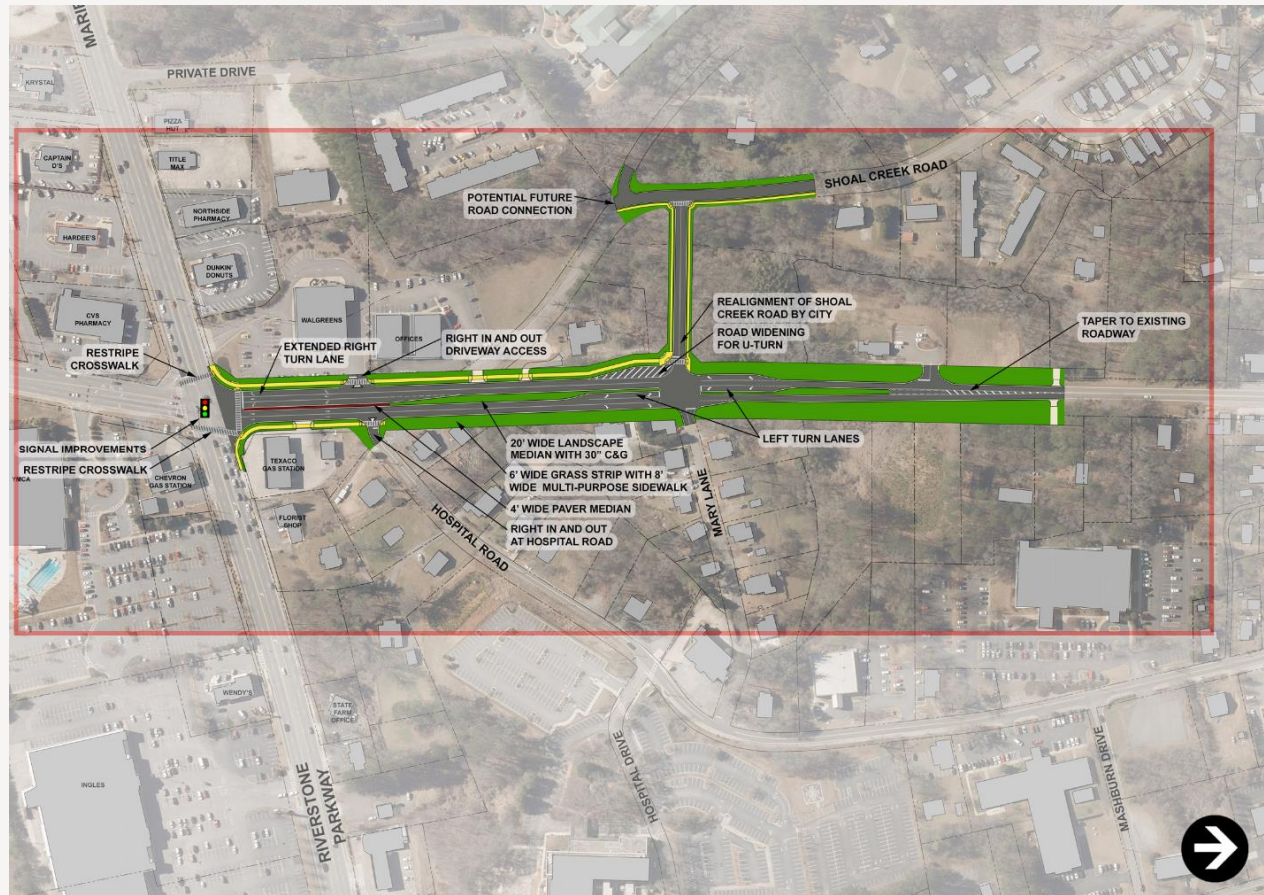
- ~ Increase right turning lane storage on SR 140 Southbound at Riverstone Pkwy
- ~ Right-in and right-out improvements at Walgreens Drwy and Hospital Rd
- ~ Signal upgrade
- ~ Estimate of Probable Costs \$250,000



Interim Improvements

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

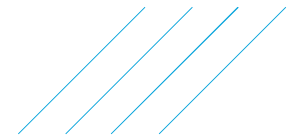
- “ Provide median on SR 140 southbound approach to restrict left turn movements to and from Walgreens Drwy and Hospital Rd
- “ Realign Shoal Creek Rd to align with Mary Lane
- “ Provide left turning lane on SR 140 Northbound onto realigned Shoal Creek Rd
- “ Provide right turning lane on SR 140 Northbound 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

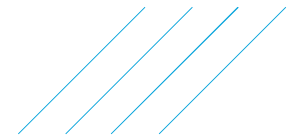
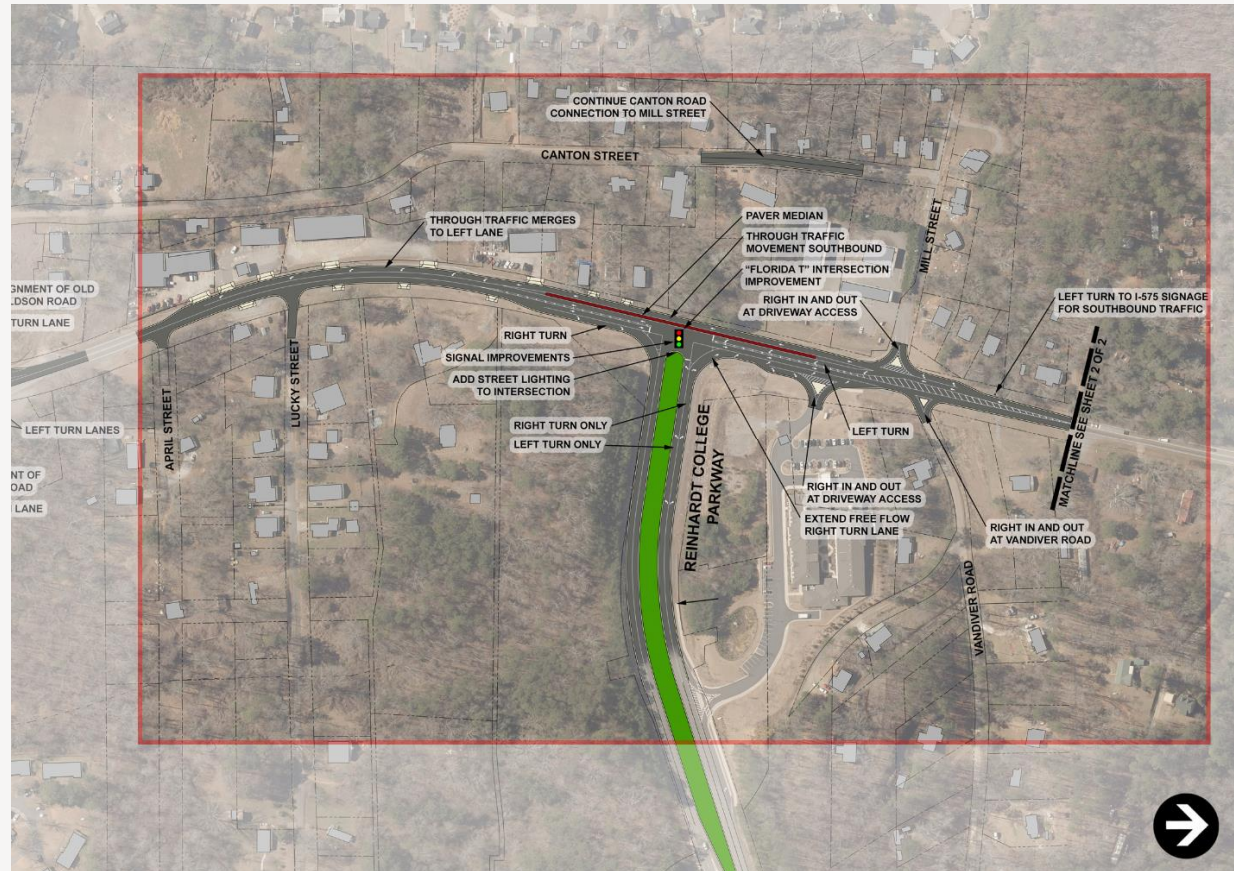
- ~ Realign Hospital Rd with Old Donaldson Rd
- ~ Provide left turning lane on SR 140 Northbound onto realigned Old Donaldson Rd
- ~ Provide right turning lane on SR 140 Northbound onto Hospital Rd
- ~ Provide left turning lane on SR 140 Southbound onto Hospital Rd
- ~ Provide right turning lane on SR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



Interim Improvements

Area 3 - SR 140 at Reinhardt College Pkwy Intersection

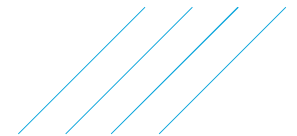
- “ Provide a continuous green T-intersection at SR 140 at Reinhardt College Pkwy
- “ Provide right-in right-out at SR 140 at Mill Street intersection
- “ Provide right-in right-out at SR 140 at Vandiver Rd intersection
- “ Estimate of Probable Costs \$2.4M



Interim Improvements

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

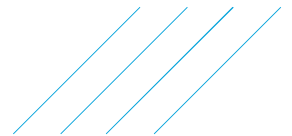
- ~ Realign Belletta Dr and Pearidge Rd
- ~ Provide right turning lane on SR 140 Northbound onto Belletta Dr
- ~ Provide right turning lane on SR 140 Northbound onto Pearidge Rd
- ~ Provide left turning lane on SR 140 Southbound onto Belletta Dr
- ~ Provide left turning lane on SR 140 Southbound onto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



Interim Improvements

Area 5 . SR 140 at Cross Street Intersection

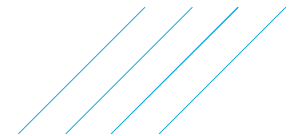
- “ Realign cross street
- “ Provide right turning lane on SR 140 Northbound
- “ Estimate of Probable Costs \$400,000



Interim Improvements

Area 6 . SR 140 at Pearidge Rd Intersection

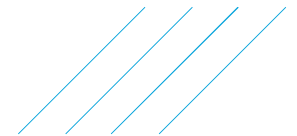
- “ Realign Pearidge Rd
- “ Provide right turning lane on SR 140 Northbound onto Pearidge Rd
- “ Provide left turning lane on SR 140 Southbound onto Pearidge Rd
- “ Provide left turning lane on SR 140 Northbound onto driveway at Pearidge Rd intersection
- “ Provide left turning lane on SR 140 Northbound 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 Canyon Pkwy/Great Sky Pkwy Intersection

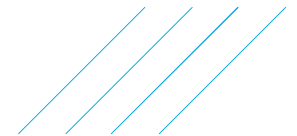
- “ Reduce Laurel Canyon Pkwy Eastbound right turning radius
- “ Signal Improvements
- “ Estimate of Probable Costs \$250,000



Long-Term Improvements

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

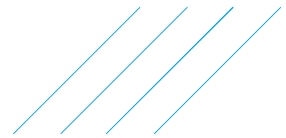
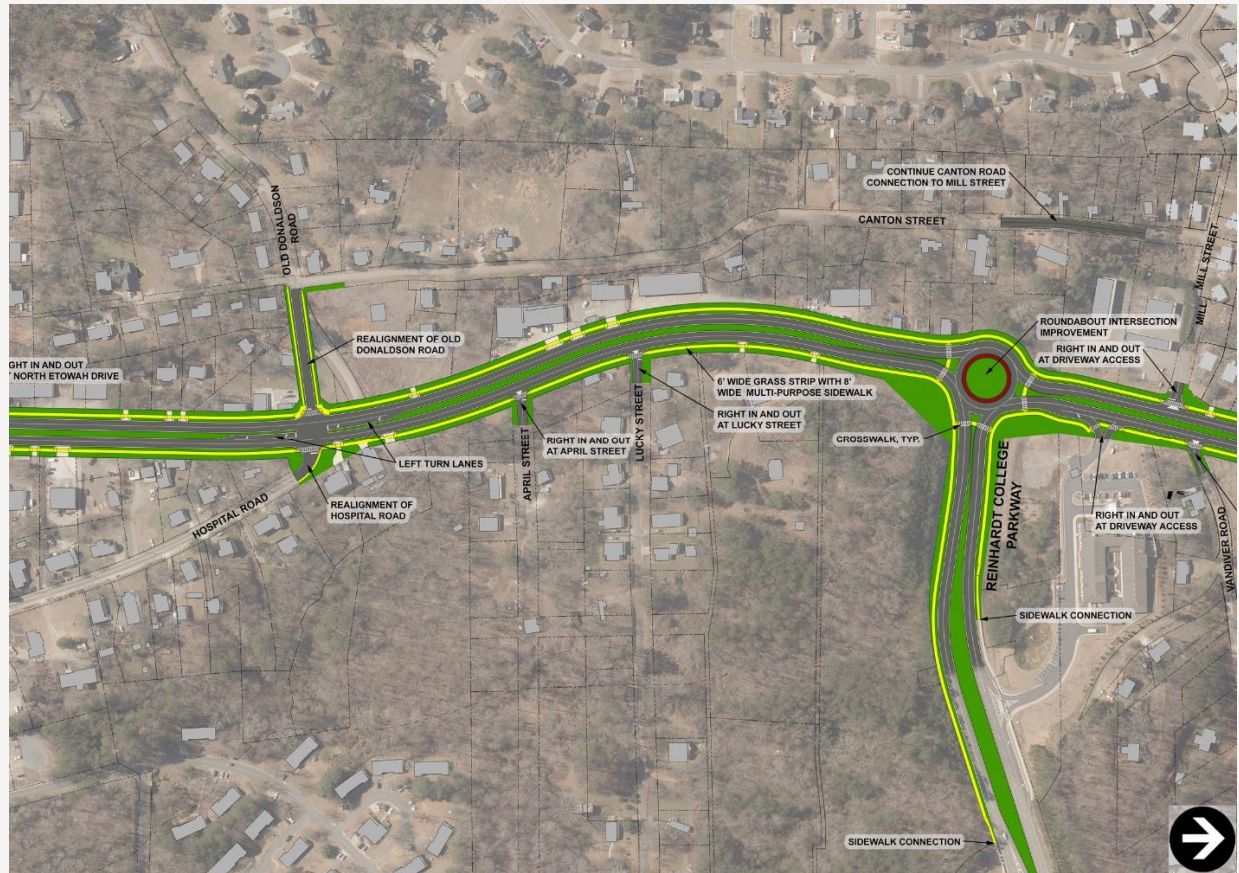
- “ Provide a second left turning lane on Riverstone Pkwy Westbound
- “ Provide a second left turning lane on Marietta Hwy Eastbound
- “ Provide a second left turning lane on Waleska St Northbound
- “ Provide medians to restrict left turn movements to and from driveways on Riverstone Pkwy Westbound and 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 8qwide 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)



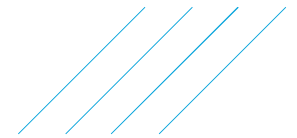
Long-Term Improvements



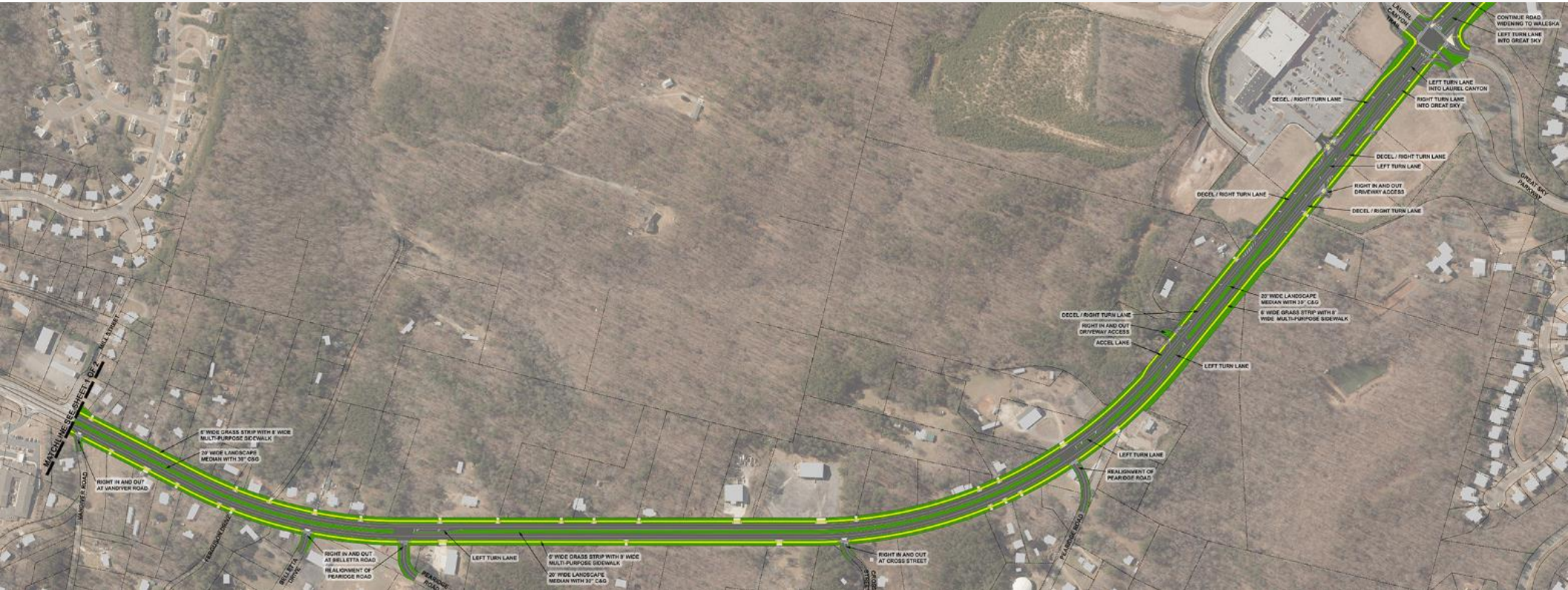
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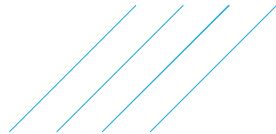
Long-Term Improvements



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SR 140 CORRIDOR STUDY



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