

**Cherokee County Transportation Projects
Hickory Flat Area
December 2, 2020**

Where metro meets the mountains.



SR 140

575 south to Fulton County line

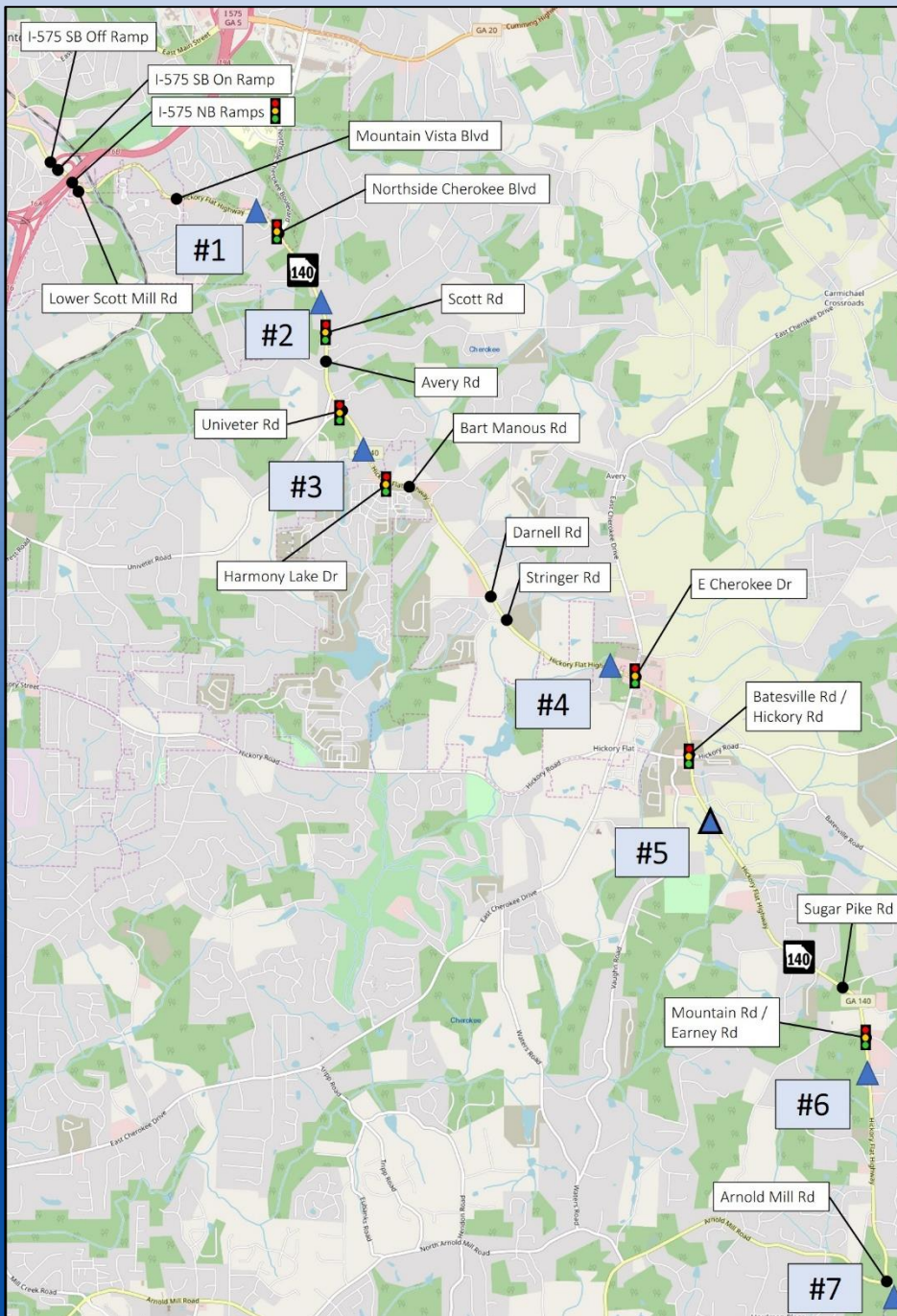
- Corridor Study completed in July 2019
- Identified several projects for short-term and mid-term solutions
- 4 projects submitted for 2019 TIP funding
 - SR 140 at Univeter Road - \$3.4 million – successful in obtaining PE for FY 2021 - \$256,000
 - SR 140 at East Cherokee Dr - Phase 2 - \$4.3 million
 - SR 140 at Old Batesville Curve - \$3.2 million
 - SR 140 at Northside Cherokee Blvd - \$2.0 million
- 3 projects in design phase
 - SR 140 at Batesville Road/Hickory Road – intersection improvement
 - SR 140 at Scott Road & SR 140 at Avery Road – add right-turn lanes to side street approaches
 - SR 140 at Avery Road (PI 0016105) - adds TWLTL on SR 140 from Scott Rd south to Avery Rd
- 2 projects under construction
 - SR 140 at East Cherokee Drive (PI 0013368) – additional right-turn lanes and storage
 - SR 140 at Sugar Pike Road – installation of a traffic signal

<https://www.cherokeega.com/Roadway-Splost-Program/SR140-Corridor-Study/>

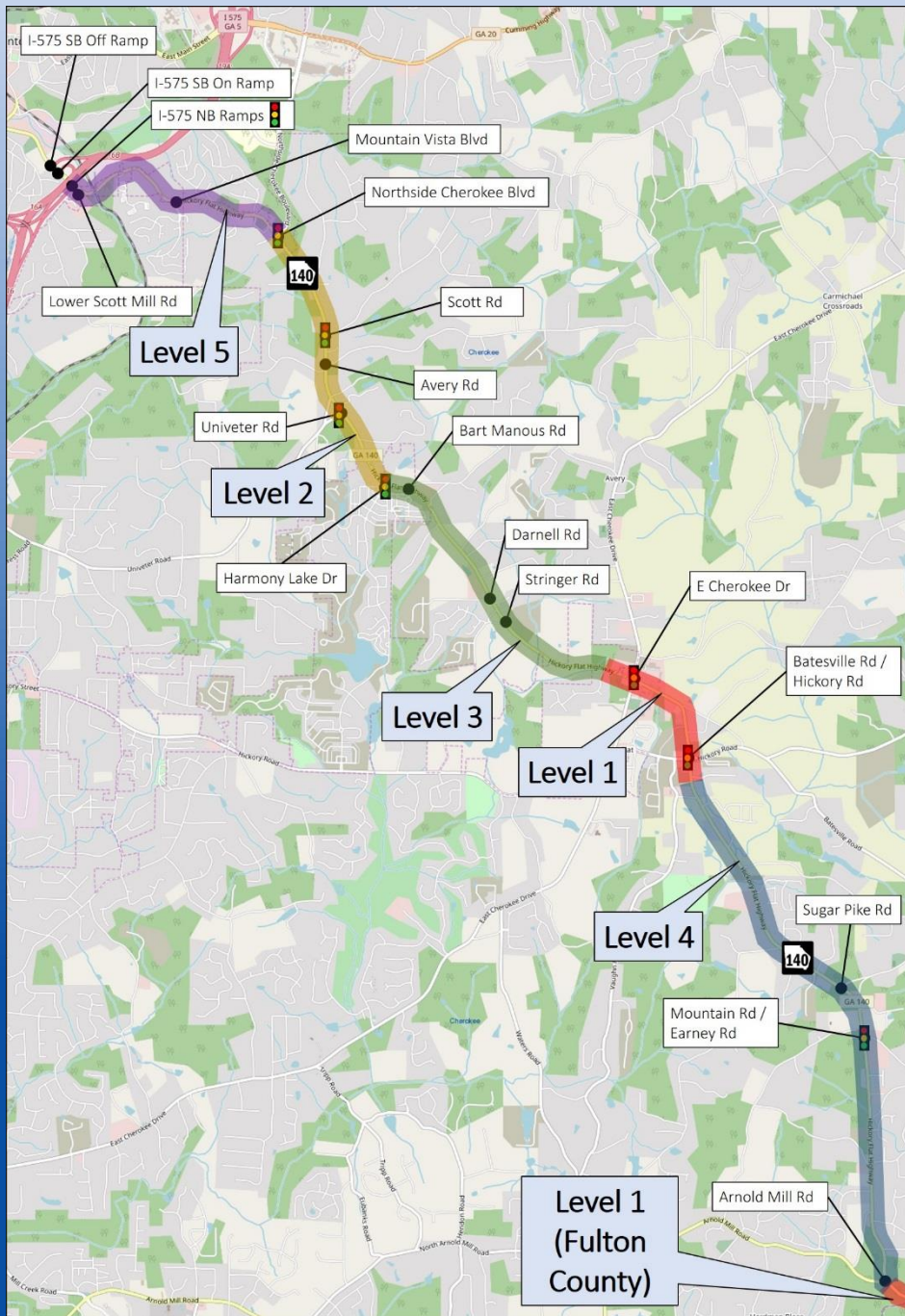


Corridor Conditions

SR 140 Volumes and Capacity



Location	Year				
	2019	2024	2029	2034	2039
#1 - West of Northside Cherokee Blvd	16,334	18,925	21,950	23,200	24,550
#2 - West of Scott Rd	20,928	24,250	28,125	29,750	31,500
#3 - West of Harmony Lake Dr	22,587	26,175	30,350	32,100	33,950
#4 - West of East Cherokee Dr	19,441	22,525	26,125	27,650	29,250
#5 - South of Hickory Rd/ Batesville Rd	17,824	20,675	23,950	25,350	26,800
#6 - South of Mountain Rd/Earney Rd	16,602	19,250	22,300	23,600	24,950
#7 - At Cherokee / Fulton County line	22,908	26,550	30,775	32,550	34,450
3-lane road provides capacity		4-lane roadway needed			



Widening Prioritization

- Based on existing and projected traffic volumes
- 5 segments within Cherokee County
- Short-term and mid-term intersection projects are intended to be compatible with the future widening



SR 140 CORRIDOR STUDY

PROJECT SCHEMATIC LAYOUT

LOCATION: E CHEROKEE DR



Proposed Features

- Through Lane
- Right-turn Lane
- Lane Merge



Not to Scale

PREPARED BY
POND
Updated: 6/19/19





SR 140 CORRIDOR STUDY

PROJECT SCHEMATIC LAYOUT

LOCATION: SHARP CURVE



Proposed Features:

- █ Through Lane
- █ Right-turn Lane
- █ 5-lane roadway



Not to Scale

PREPARED BY



Updated: 6/15/19

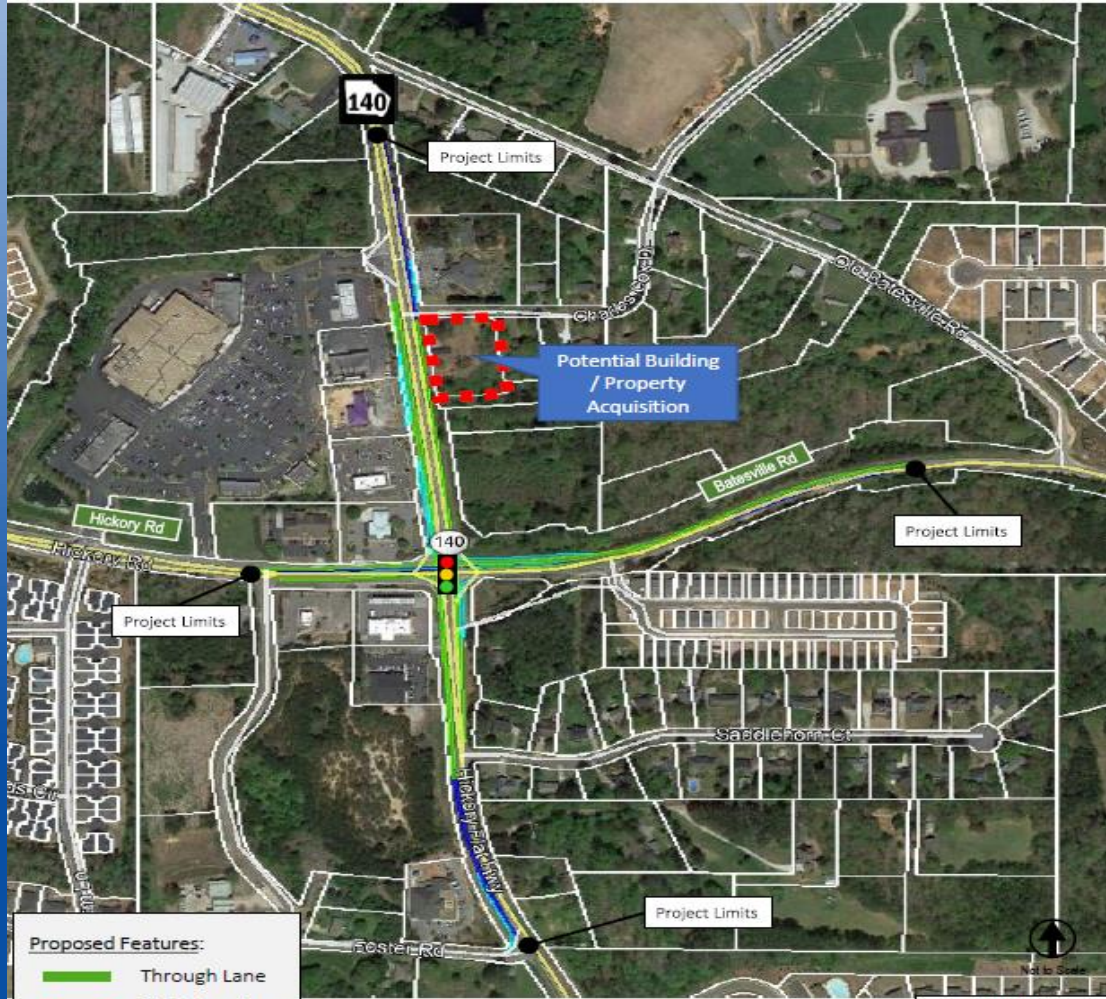




SR 140 CORRIDOR STUDY

PROJECT SCHEMATIC LAYOUT

LOCATION: BATESVILLE RD / HICKORY RD



- Proposed Features:**
- Through Lane
 - Right-turn Lane
 - Lane Merge

PREPARED BY
POND
Updated: 6/15/19





SR 140 Projects - Design

SR 140 at Hickory Road/Batesville Road

- Add thru lanes on SR 140 and Hickory Road/Batesville Road
- County design contract awarded in April 2020
- County estimated cost = \$4.5 million
- Will request GDOT funds for construction phase

SR 140 at Scott Road & SR 140 at Avery Road

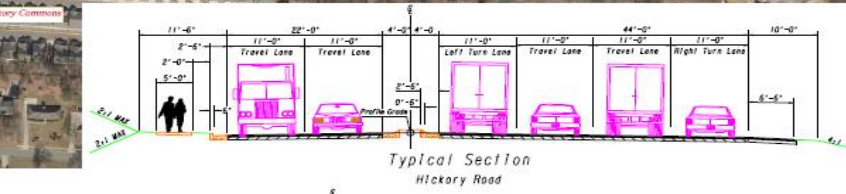
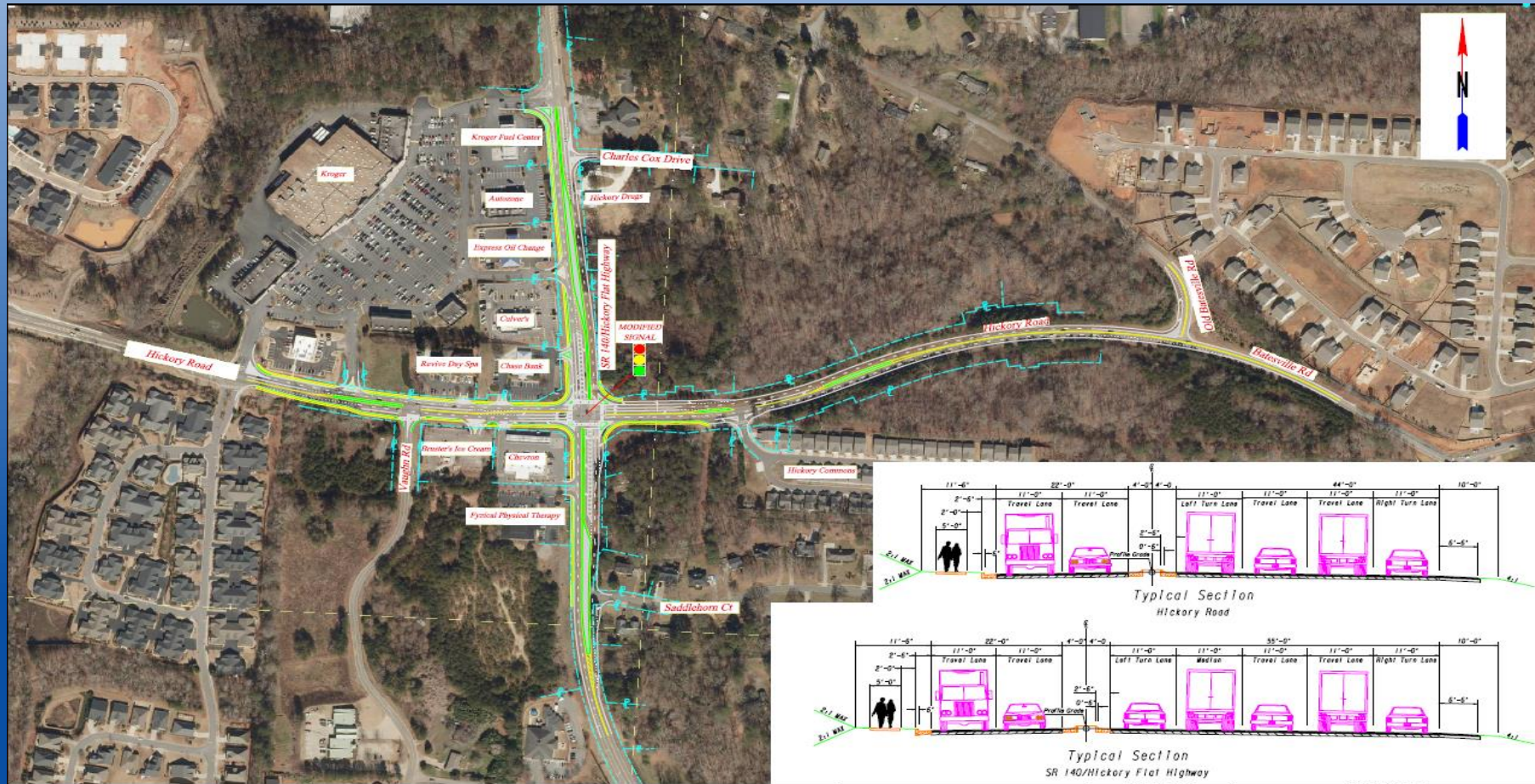
- Add dedicated right-turn lanes to both intersections
- County has issued design RFP and awarded design services

SR 140 at Avery Road (0016105)

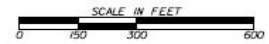
- Adds TWLTL on SR 140 from Scott Road south to Avery Road
- County will improve Avery Road to add right-turn lane and acquire right-of-way from church parcel
- GDOT estimated cost = \$700,000



SR 140 at Hickory Road/Batesville Road



HL Heath & Lineback Engineers
INCORPORATED
2380 CANTON ROAD, BUILDING 200
MAKOPITA, GEORGIA 30664-2393
(770) 634-1666



REVISION DATES		CHECKED:		DATE:		DRAWING No.

CHEROKEE COUNTY
SR 140 AND BATESVILLE/HICKORY RD
CONCEPT LAYOUT



SR 140 Projects - Construction

SR 140 at East Cherokee Dr (0013368) - Phase 1

- GDOT issued Notice to Proceed to County on 10/21/2020
- Adds right-turn lanes to 3 of 4 quadrants; adds left-turn lane storage
- Construction cost - \$2,746,947.62
- Engineering & ROW costs = \$2.0 million
- GDOT construction cost contribution = \$1,000,000 (37%)

SR 140 at Sugar Pike Road

- County awarded construction contract on 11/3/2020
- Installation of traffic signal
- Construction cost = \$126,468.30
- Engineering cost = \$22,800.00

SR 140 at East Cherokee Drive – Phase I





SR 140 at Stringer Road

- County continues to evaluate location for the installation of a traffic signal
- SR 140 is a State Route – controlled by GDOT
- Installation of a signal must meet warrants before signal permit is issued by GDOT
- County conducted latest warrant studies in November 2018 and February 2019
- New traffic study now in progress (November 2020) to determine if warrants will be met
- If warranted will be an additional year until signal is designed and constructed
- Estimated project cost = \$150,000



Hickory Road Sidewalk Project

- Fill-in the gaps sidewalk project between SR 140 and New Light Road
- Joint project between Cherokee County and City of Holly Springs
- Sidewalk will be along both sides of Hickory Road between SR 140 and Bradshaw Estates Drive
- Sidewalk will be on north side of Hickory Road between Bradshaw Estates Drive and New Light Road
- Includes sidewalk on west side of Stringer Road between Seasons Preserve at Hickory Flat and SR 140
- Connects parks – Hickory Trails, JB Owens and future Holly Springs parks
- Project will also include mid-block pedestrian crossing near Sequoyah HS/Dean Rusk MS
- Project is in procurement phase – reviewing proposals now – design in 2021
- Construction phase(s) to begin in 2022



Little Road

- Reconstruction of Little Road between Hickory Road and Vaughn Road
- Roadway designed for 25 MPH to discourage cut-through traffic
- 20-ft wide pavement section with 6-ft shoulders – maintains rural character
- Horizontal and vertical realignment of substandard vertical and horizontal geometry
- Constructed with in-house County forces
- Portion between Hickory Road and East Cherokee Drive substantially complete
- Grading underway between East Cherokee Drive and Vaughn Road
- Culvert near Vaughn Road completed in summer 2020
- Entire project to be completed in 2021



East Cherokee Drive Corridor Study

- East Cherokee Drive - Mill Creek Road to SR 20 – 13.5 miles
- Identify short-term, mid-term and long-term operational and capacity projects
- Project lists will feed into current SPLOST projects list and CTP projects lists
- Intersections to be analyzed within the Hickory Flat study area include:
 - Bradshaw Club Drive
 - Little Road
 - Hickory Road
- Study to be completed in January 2021



Questions?

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