

Calhoun County Comprehensive Plan

Transportation and Community Facilities

SEPTEMBER 21, 2023

PLANNING COMMISSION MEETING



Today's Meeting

- ▶ Transportation
 - ▶ *Review of draft document*
- ▶ Community Facilities
 - ▶ *Overview and discussion*
- ▶ Public input
 - ▶ *Questionnaire*
 - ▶ *Mapping exercise: ranking proposed road improvements*

Comprehensive Plan Elements



▶ **Ten Elements**

- ▶ Population
- ▶ Housing
- ▶ Land Use
- ▶ Cultural Resources
- ▶ Natural Resources
- ▶ Resilience
- ▶ **Transportation**
- ▶ **Community Facilities**
- ▶ Economic Development
- ▶ Priority Investment

Transportation

- ▶ Highways and Roads
- ▶ Public Transportation
- ▶ Bicycle and
Pedestrian facilities

Highways and Roads

- ▶ **Traffic Volumes and Trends**

- ▶ Generally low traffic volumes and very little congestion except on I-26
- ▶ Low growth = limited need for major highway improvements

- ▶ **Safety**

- ▶ Crashes at intersections
- ▶ Run off the road and head-on crashes
- ▶ Evacuation traffic flow and safety

- ▶ **Connectivity and Alignment**

- ▶ Frontage Roads
- ▶ Interstate ramps and separation from local roads






- ▶ **Economic Development**


- ▶ Industrial park access and traffic flow


Map 7-3 2022 Traffic Flow

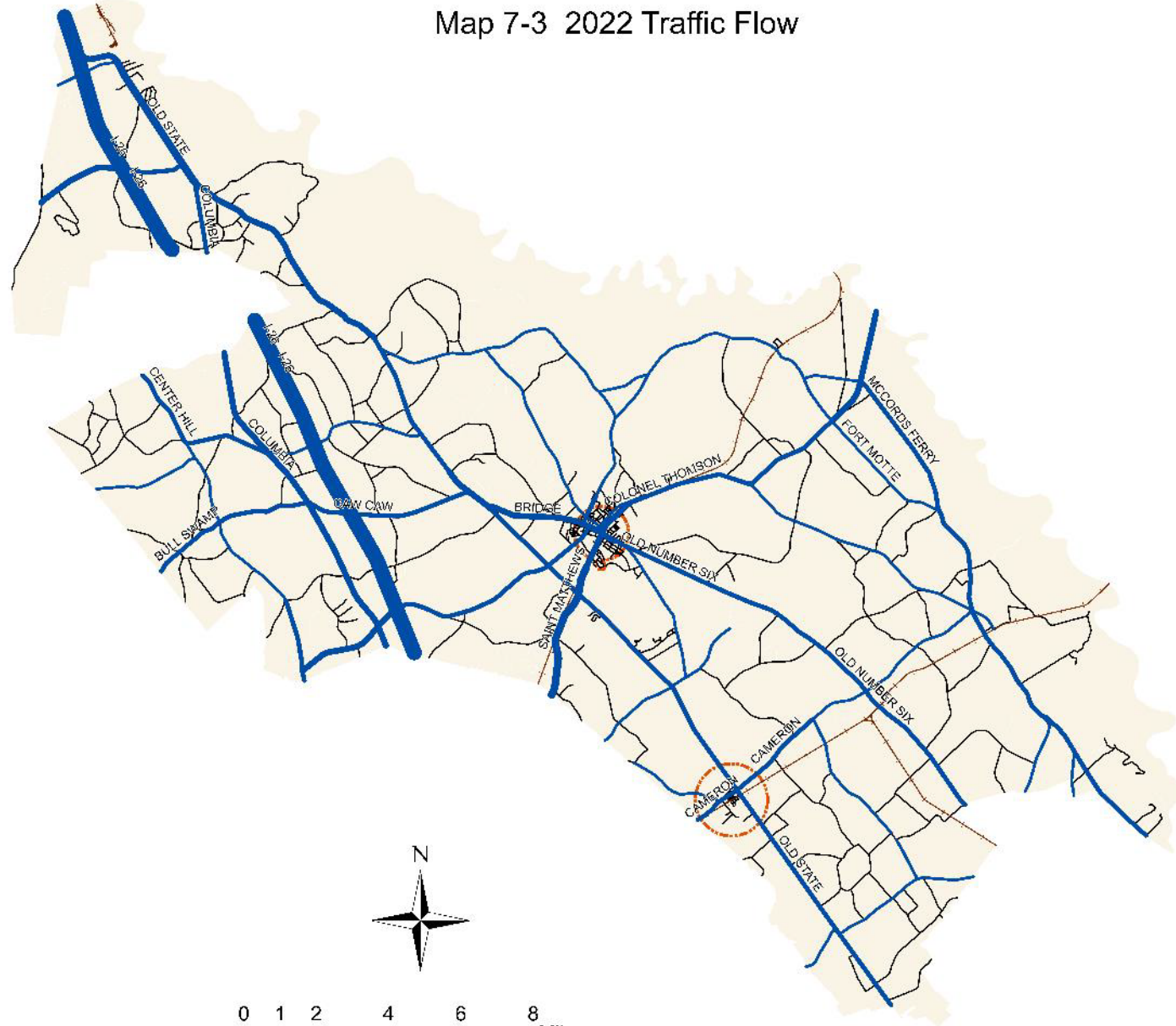
Legend

Traffic Volume

-  50 - 1000
-  1000 - 2500
-  2500 - 5000
-  5000 - 7500
-  7500 - 63800

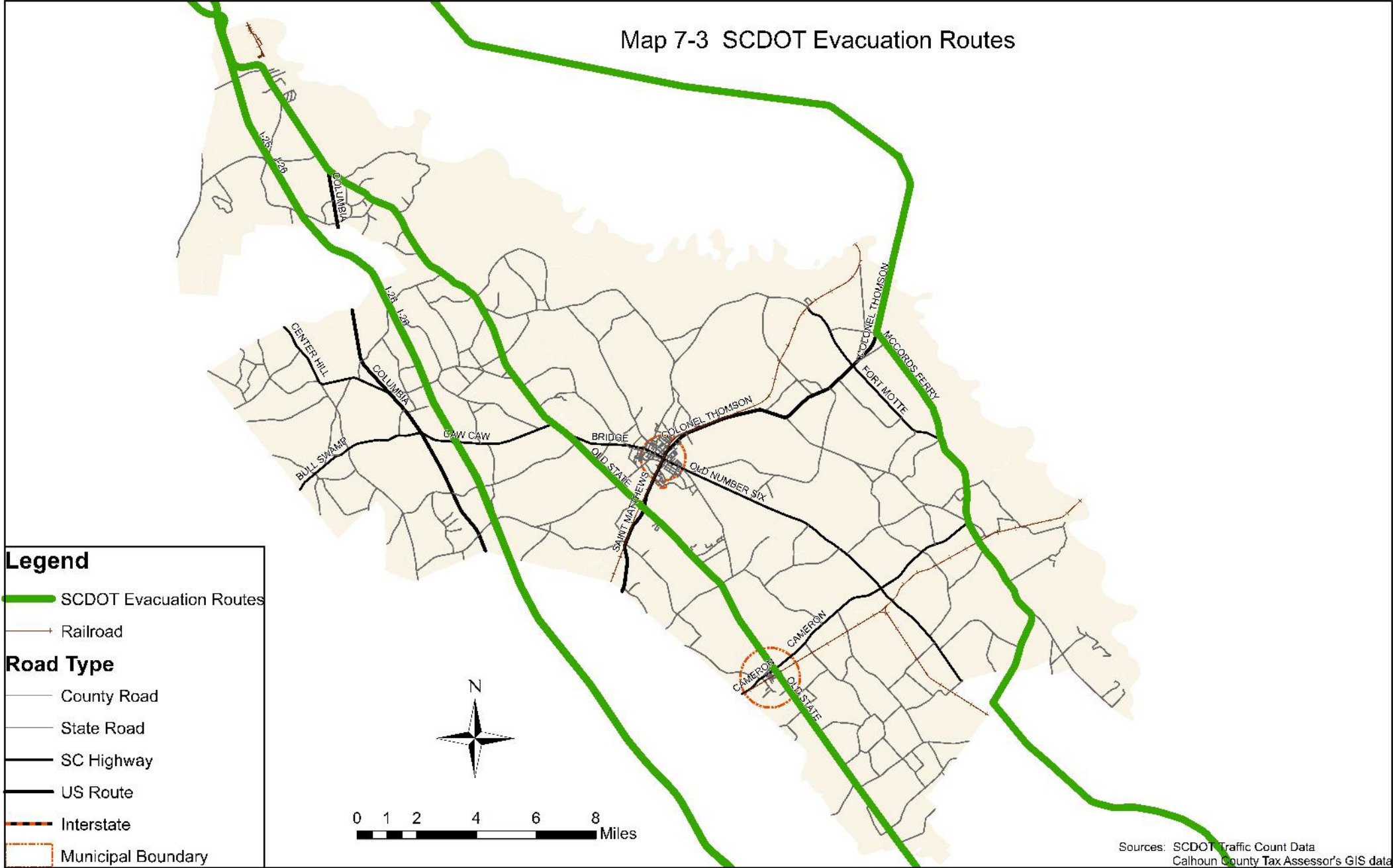
 Railroad

 Municipal Boundary



Sources: SCDOT Traffic Count Data
Calhoun County Tax Assessor's GIS data

Map 7-3 SCDOT Evacuation Routes



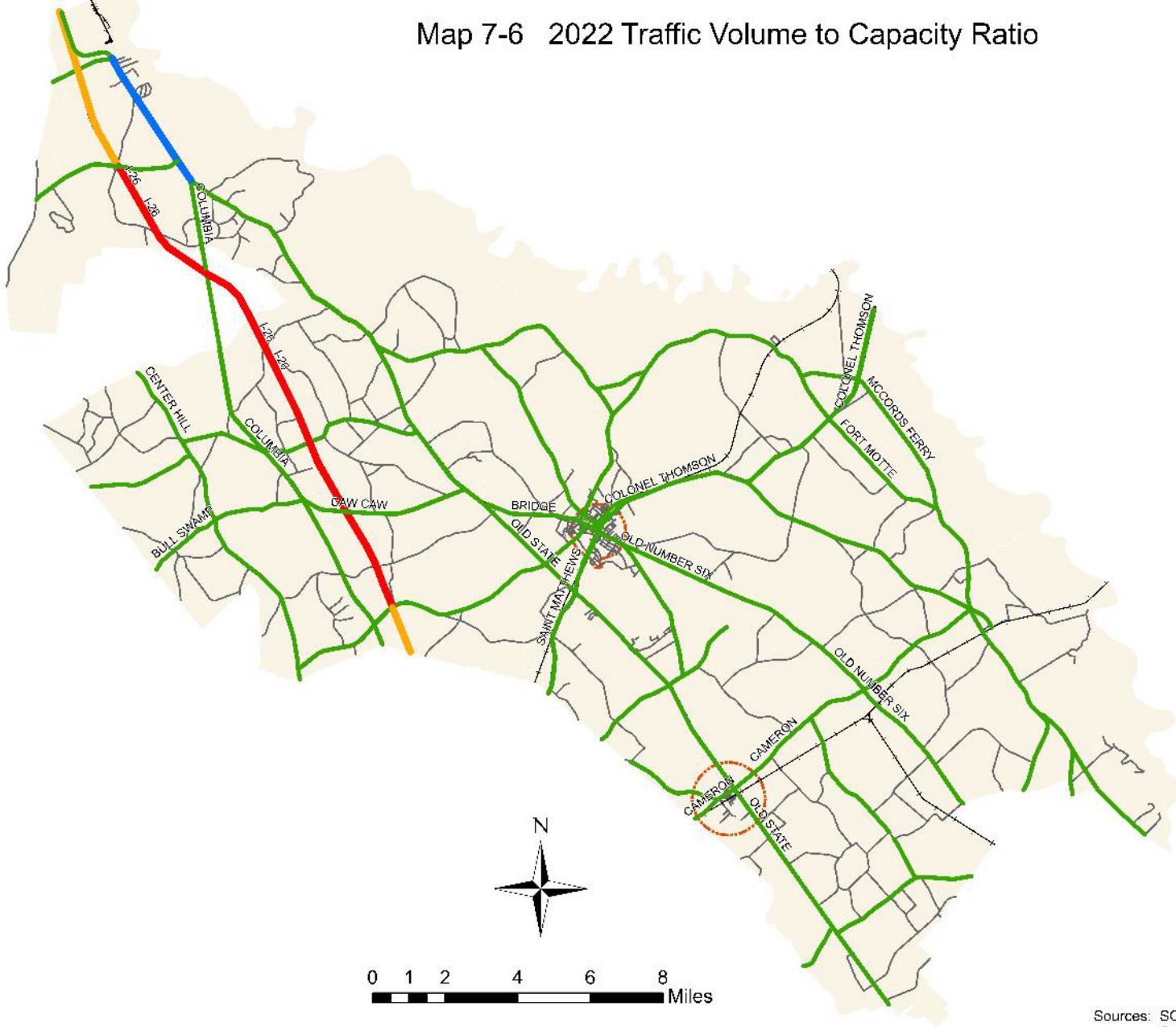
Legend

- SCDOT Evacuation Routes
- Railroad
- Road Type**
- County Road
- State Road
- SC Highway
- US Route
- Interstate
- Municipal Boundary



Sources: SCDOT Traffic Count Data
Calhoun County Tax Assessor's GIS data

Map 7-6 2022 Traffic Volume to Capacity Ratio



Legend

2022 V/C Ratio

- 0.20 - 0.50
- 0.51 - 0.70
- 0.71 - 0.85
- 0.86 - 1.00
- 1.01 - 1.50

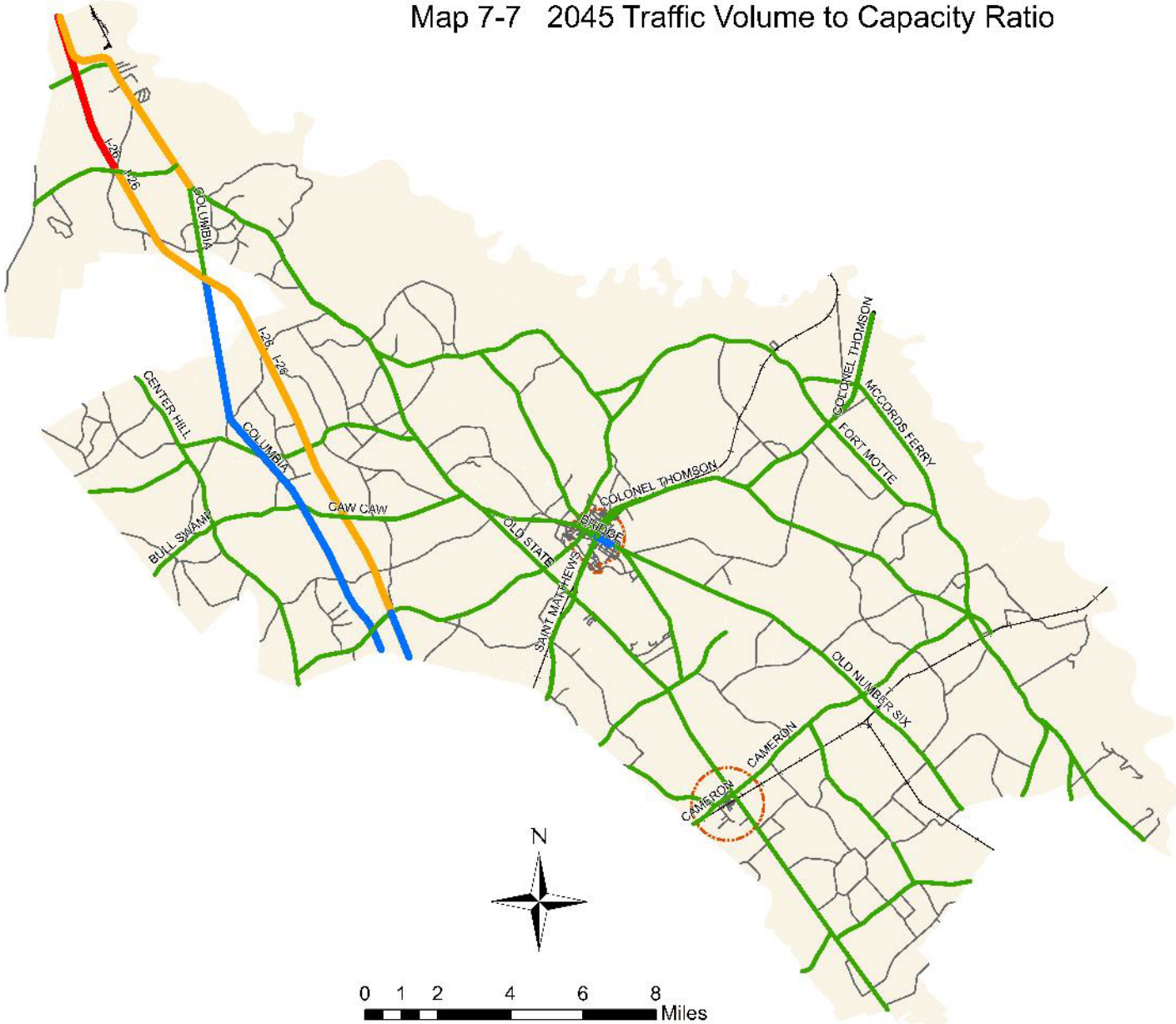
TrafficLines2022

Railroad

Municipal Boundary

Sources: SCDOT Traffic Count Data
Calhoun County Tax Assessor's GIS data

Map 7-7 2045 Traffic Volume to Capacity Ratio



Legend

VC2045

- 0.13 - 0.50
- 0.51 - 0.70
- 0.71 - 0.85
- 0.86 - 1.00
- 1.01 - 1.50

TrafficLines2022

Railroad

Municipal Boundary

Sources: SCDOT Traffic Count Data
Calhoun County Tax Assessor's GIS data

Map 7-8 Proposed Highway Improvements

Legend

Intersection Improvements

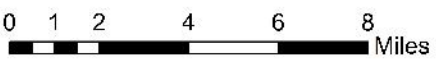
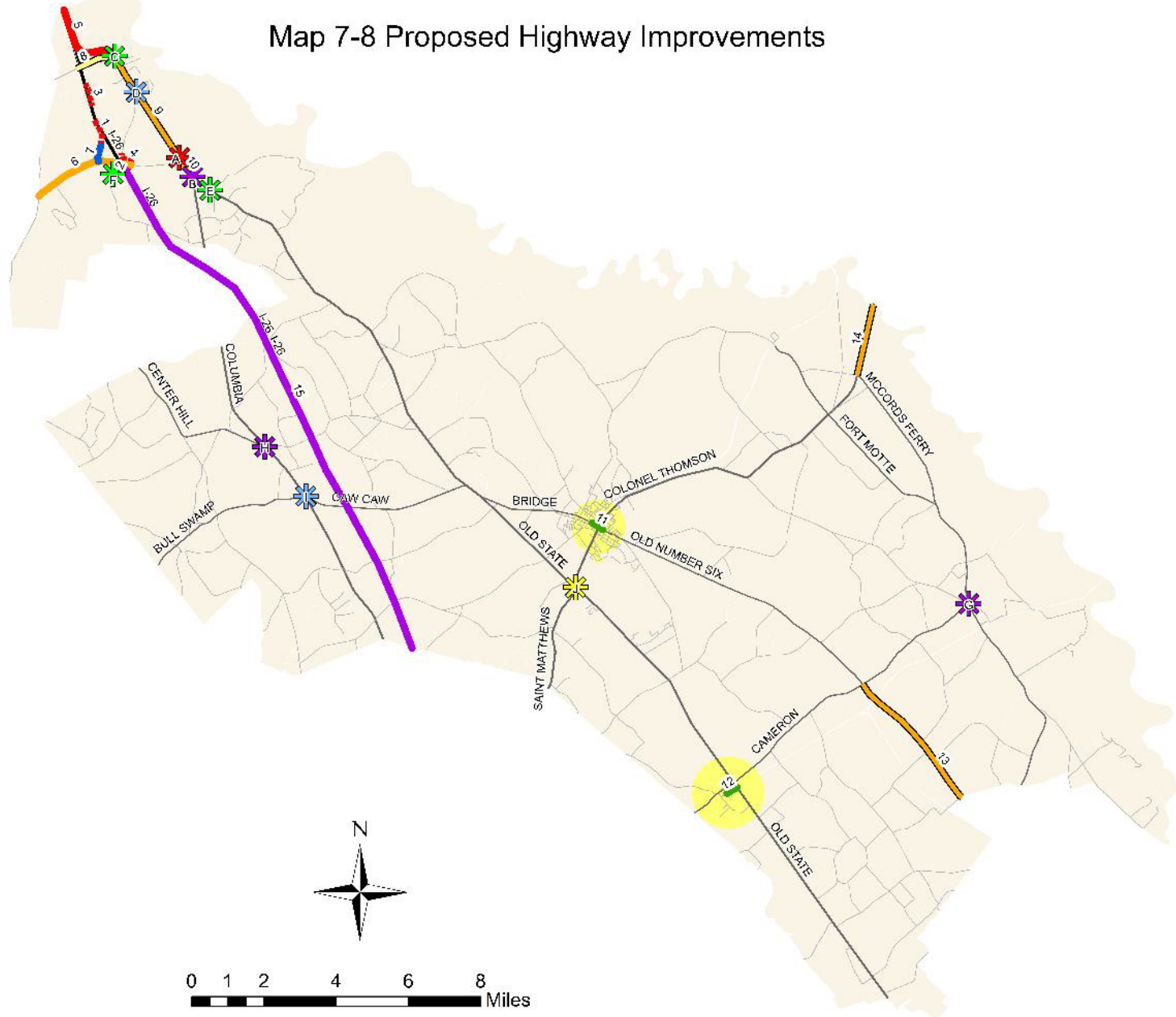
-  Add Left Turn Lanes
-  Realign intersection
-  Roundabout
-  Safety Improvements
-  Traffic Signal and Left Turn Lanes

Roadway Improvements

-  Add Paved Shoulders
-  Corridor Safety Improvements
-  Improve Existing Road
-  New 2 lane road
-  Streetscape Improvements
-  Widen to 3 lanes
-  Widen to 4 lanes
-  Widen to 6 lanes

Road Type

-  State Road
-  SC Highway
-  US Route
-  Interstate
-  Municipal Boundary



Source: Calhoun County Tax Assessor's GIS data

Public Transportation

- ▶ Cross County Connection
 - ▶ Thursday service to Orangeburg
 - ▶ Thursday service on a local route to medical, government, pharmacy, grocery
 - ▶ \$1 fares
- ▶ Human services transportation for qualifying Medicaid
- ▶ Ridesharing services offer a higher quality of service but at higher cost
 - ▶ Uber trip from Calhoun County Museum to John Ford Community Center is \$7

Bicycle and Pedestrian Facilities

- ▶ Sidewalks are limited and only exist in St. Matthews, Cameron and Creston
- ▶ Bicycle facilities
 - ▶ Existing four-foot paved shoulders on portions of US 601, SC 6, and US 176
 - ▶ SCDOT's on-going safety program lists additional paved shoulders on SC 6 and US 601
 - ▶ No inventory of existing facilities exists
 - ▶ Recommend bicycle routes on US 176, US 601 and SC 6 with continuous 4-foot shoulders

Issues

▶ Evacuation Traffic and Safety

- ▶ Corridor safety improvements on US 601 and SC 6
- ▶ Multiple intersection improvements proposed
- ▶ Frontage road connectivity north of Old Sandy Run Rd

▶ Congestion

- ▶ SCDOT has funded I-26 widening south of Old Sandy Run Road interchange
- ▶ Lower Savannah COG LRTP lists “corridor safety improvements” on US 176 north of Old Sandy Run Road -- left turn lanes and wider paved shoulders

▶ Economic Development

- ▶ Industrial Park improvements
- ▶ Streetscape improvements in Cameron and St. Matthews

BREAK!

- ▶ Complete the questionnaire
- ▶ Review maps on the tables
 - ▶ Use Red and Green sticky dots to indicate support or opposition to recommended road improvements
- ▶ Ask questions!
- ▶ We'll discuss goals for Transportation and Community Facilities after the break

Goals -- Transportation

- ▶ Support existing business and economic development
 - ▶ I-26 Interchange improvements
 - ▶ Frontage Road connectivity and improvements
- ▶ Prioritize projects that improve quality of life
 - ▶ Streetscape improvements in commercial districts in St. Matthews, Cameron, Sandy Run
 - ▶ Gateway signs, wayfinding signs
- ▶ Safety
 - ▶ Intersection Improvements
 - ▶ Paved shoulders, bicycle routes, sidewalks
 - ▶ Safe routes to schools

Goals – Community Facilities

- ▶ Wastewater Improvements
 - ▶ Capacity to support economic development in the I-26 industrial parks
 - ▶ Capacity to support growth in St. Matthews area
- ▶ Water Supply Protection
 - ▶ Aquifer levels and recharge
 - ▶ Wellhead protection areas
- ▶ Public Schools
- ▶ Cultural Facilities, Events, Arts

Comments, Questions and Discussion

- ▶ John Gardner, Gardner Planning Services
- ▶ Johngardner.1962@gmail.com

- ▶ Amanda Sievers, Planning and Grants Director
- ▶ asievers@calhouncounty.sc.gov

- ▶ Richard Hall, Deputy County Administrator
- ▶ rhall@calhouncounty.sc.gov