



NORTH CAROLINA
Department of Transportation



Polk County Comprehensive Transportation Plan (CTP) Meeting

July 17, 2019

1

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AGENDA

- I. Introductions
- II. Introduction to the Comprehensive Transportation Plan
- III. CTP Steering Committee
 - a. Handbook
 - b. Roles and Responsibilities (Voting Structure of Polk County Committee)
 - 1. Feeds into Isothermal Regional CTP
 - 2. Non-Voting Stakeholders
- IV. Discuss Vision Statement
- V. Discuss Goals and Objectives
- VI. Public Involvement
 - a. Survey (Mailed out and online)
- VII. Initial Maps
 - a. CTP Highway Network Review
 - b. Supporting Information Maps
- VIII. Socio-Economic Information
 - a. Introduce Base/Future Year
- IX. Upcoming Schedule

2

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Comprehensive Transportation Plan (CTP) Overview

3

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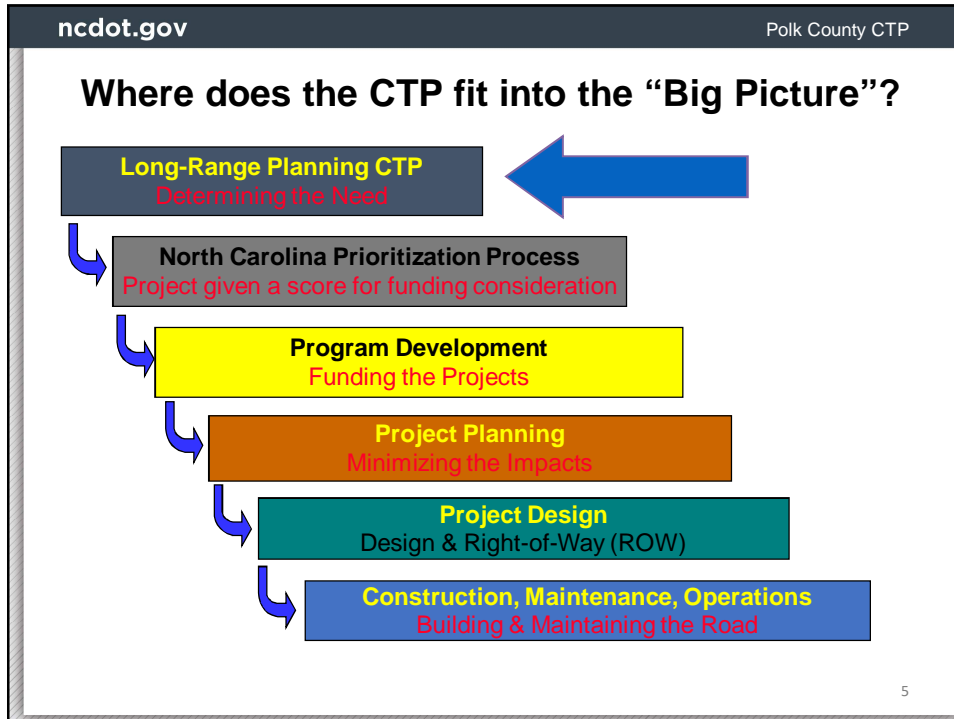
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What is a CTP?

- Comprehensive Transportation Plan
- Long-range, multi-modal transportation plan
 - 25 to 30 year planning period
 - Vision plan
- Developed cooperatively among local stakeholders, Rural Planning Organization (RPO), and NCDOT
- Incorporates Land Use plans, community & statewide goals

4

4



5

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Why is a CTP Needed?

§ **G.S. 136-66.2** – Development of a coordinated transportation system and provisions for streets and highways in and around municipalities¹.

First Part of (a):

Each municipality, not located within a metropolitan planning organization (MPO) as recognized in G.S. 136-200.1, with the cooperation of the Department of Transportation, shall develop a comprehensive transportation plan that will serve present and anticipated travel demand in and around the municipality.

¹http://www.ncleg.net/EnactedLegislation/Statutes/HTML/BySection/Chapter_136/GS_136-66.2.html



6



6

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What is in a CTP?

- Multimodal Maps
 - Highway
 - Public Transportation and Rail
 - Bicycle
 - Pedestrian
- Current and Future Conditions
 - Lanes
 - Right-of-Way (ROW)
 - Volume and Capacity
- Recommendations
 - Existing
 - Needs Improvement
 - Recommended

7

7

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What are the Benefits of a CTP?

- A transportation plan that is coordinated with the local growth plan
- Results feed into the NCDOT prioritization process and help guide the RPO in developing project prioritization
- Common, long-range vision for facilities among local governments, RPO, and NCDOT

8

8

What are the Benefits of a CTP? (continued)

- It is a mutually adopted plan by the NCDOT, the county, and municipal governments
- It gives due consideration to the human and natural environment.
- It is accountable to the public through the formal public involvement process.

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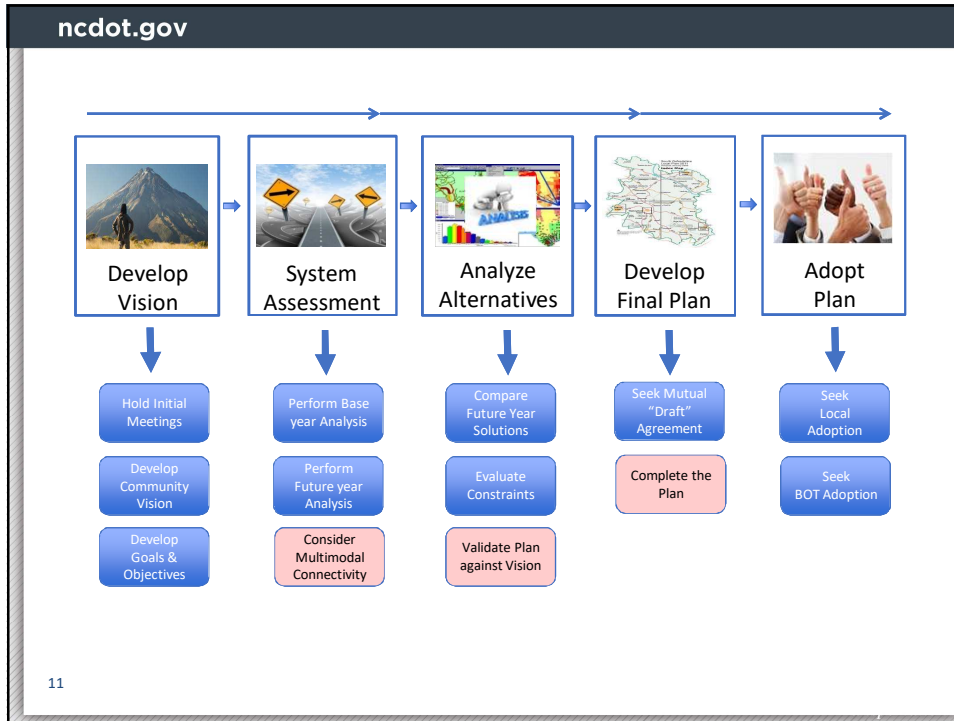
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CTP Steering Committee

- Role
 - Represent stakeholders in the county
 - Coordinate with local councils and planning boards
 - Assist with public involvement
 - Review plan as it is developed
 - Assist with adoption and endorsement
- Members
 - NCDOT – Transportation Planning Division and Division 14
 - RPO – Isothermal RPO
 - Local Stakeholders – County, towns, business interests, multi-modal reps, environmental interests, Title VI, schools, elderly, etc.
 - The Public

10

10



11

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CTP 2.0 - Beyond Maps & Reports

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Formatted Information from CTP Database

NC 96 Youngville Bypass EXAMPLE

From NC 96 (at Rockwell Lane) to US 1 Alternate

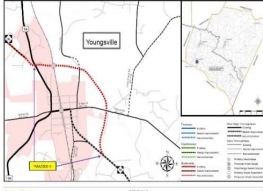
Project No.	Project Name	Project Status	Project Type	Project Location
16-00000-01	Youngville Bypass	2018	Major	Waynes County
16-00000-02	Youngville Bypass	2018	Major	Waynes County
16-00000-03	Youngville Bypass	2018	Major	Waynes County
16-00000-04	Youngville Bypass	2018	Major	Waynes County
16-00000-05	Youngville Bypass	2018	Major	Waynes County

Identified Road

Youngville Bypass is a project to improve the roadway from US 1 Alternate to US 1 Alternate in the town of Youngville, North Carolina. The project will include widening the roadway, improving drainage, and installing lighting. The project is expected to be completed in 2018.

Recommendation


Recommendation: The project is recommended for funding. The project is a high-priority project that will improve the safety and efficiency of the roadway. The project is also a key project for the town of Youngville.



#1. Recommendation Sheets

NC 96 Rockwell Lane to US 1 Alternate EXAMPLE

From NC 96 (at Rockwell Lane) to US 1 Alternate




Identified Road

Rockwell Lane is a project to improve the roadway from US 1 Alternate to US 1 Alternate in the town of Rockwell, North Carolina. The project will include widening the roadway, improving drainage, and installing lighting. The project is expected to be completed in 2018.

Recommendation

Recommendation: The project is recommended for funding. The project is a high-priority project that will improve the safety and efficiency of the roadway. The project is also a key project for the town of Rockwell.



#2. Rec List (for each modal map)

13

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CTP Steering Committee

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14

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**Example CTP Vision Statements
& Goals and Objectives**

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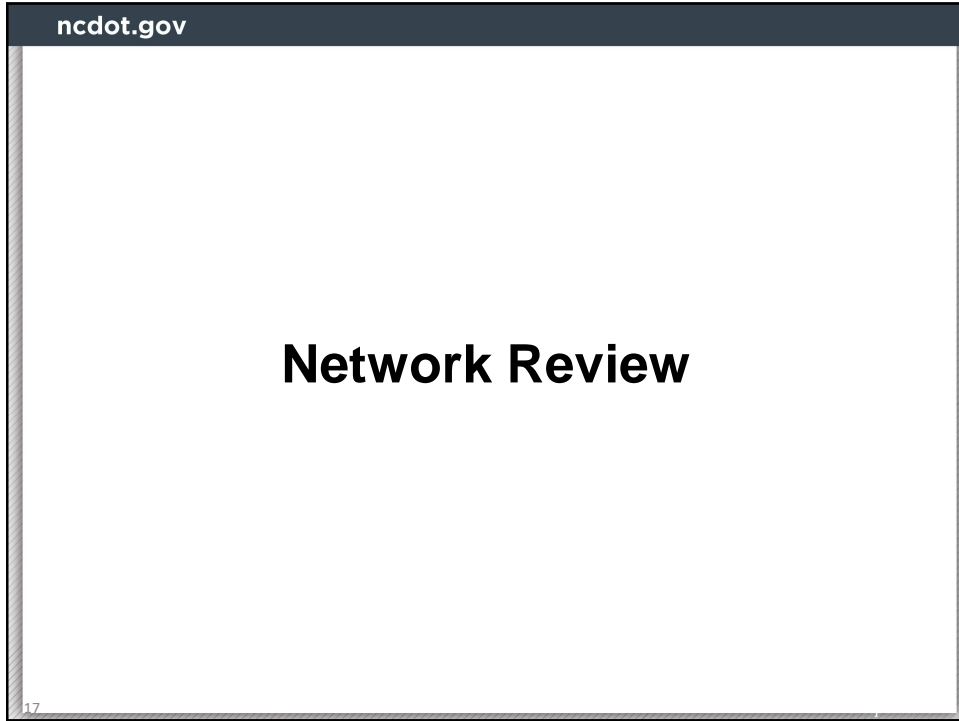
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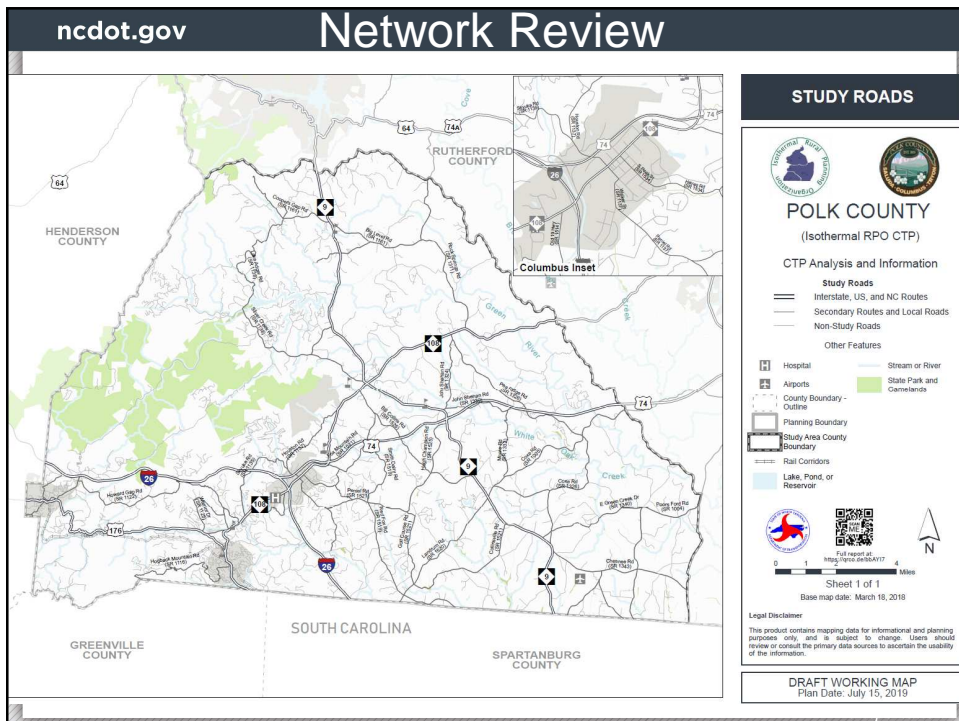
Public Involvement

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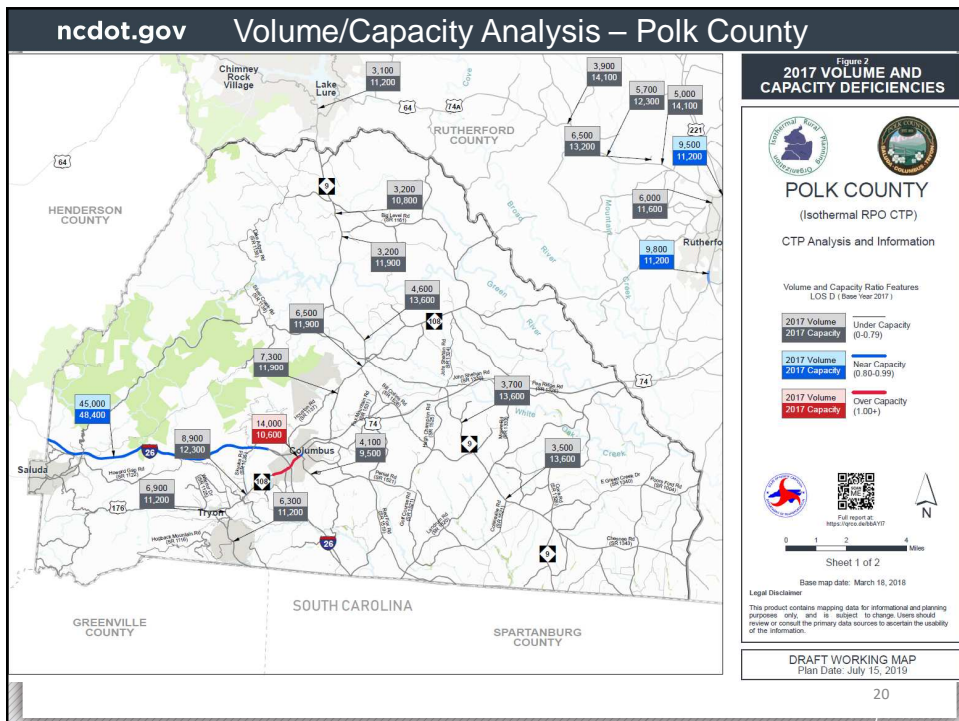
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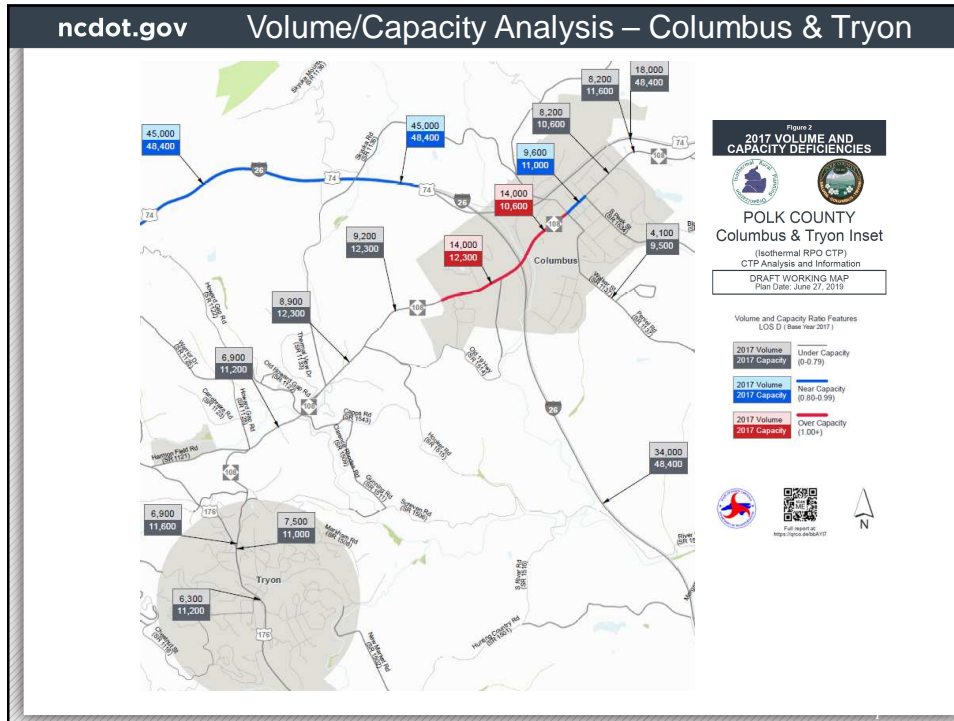
Draft Base Year (BY) Traffic Deficiencies (Volume/Capacity) Analysis

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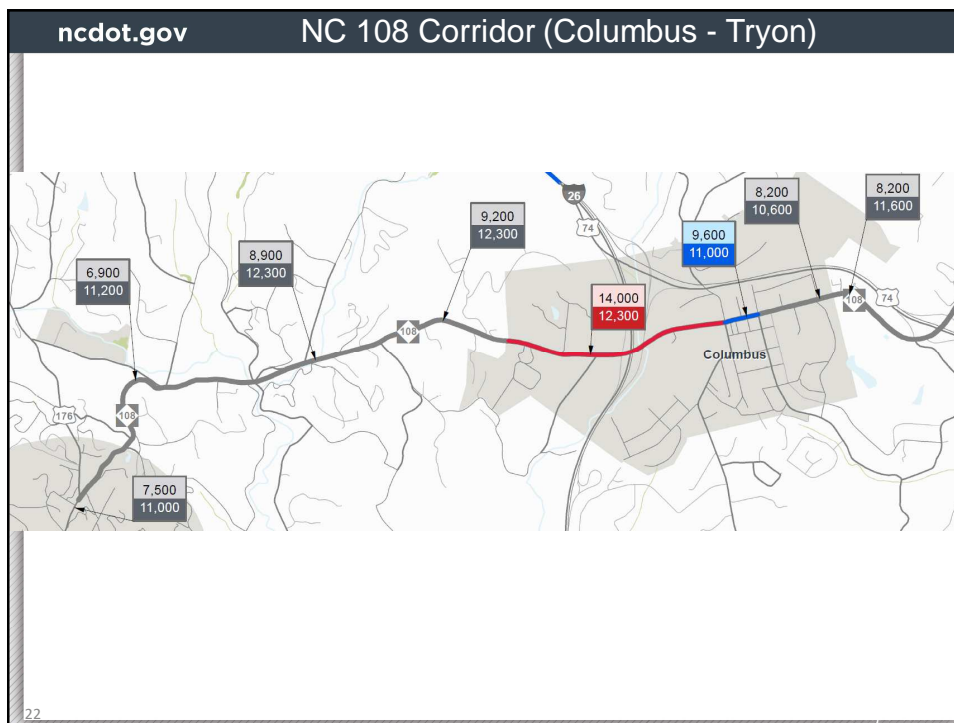
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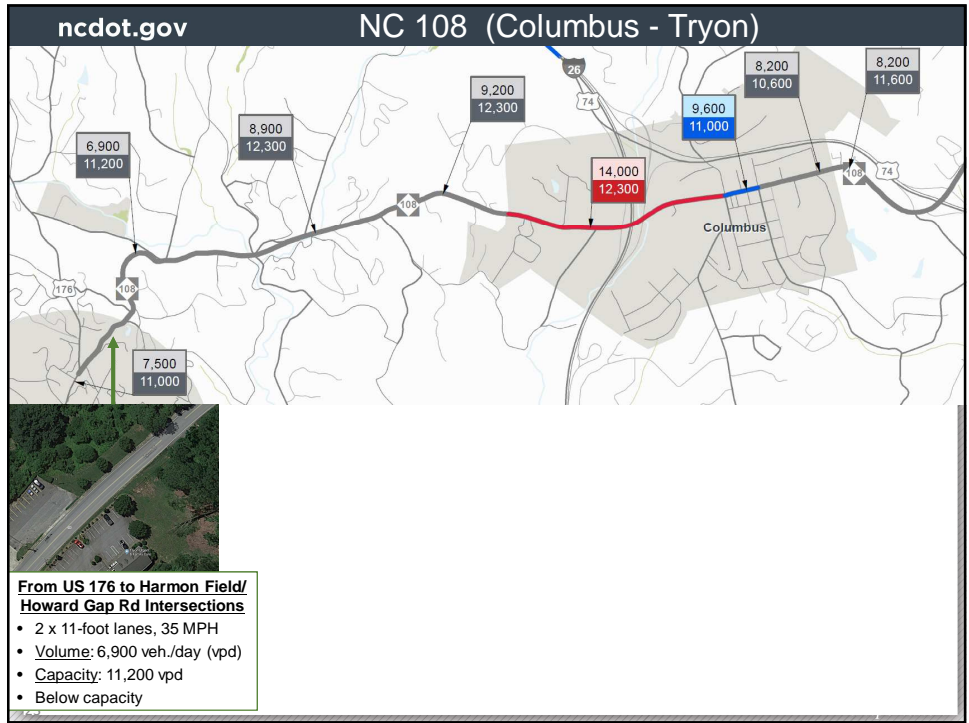
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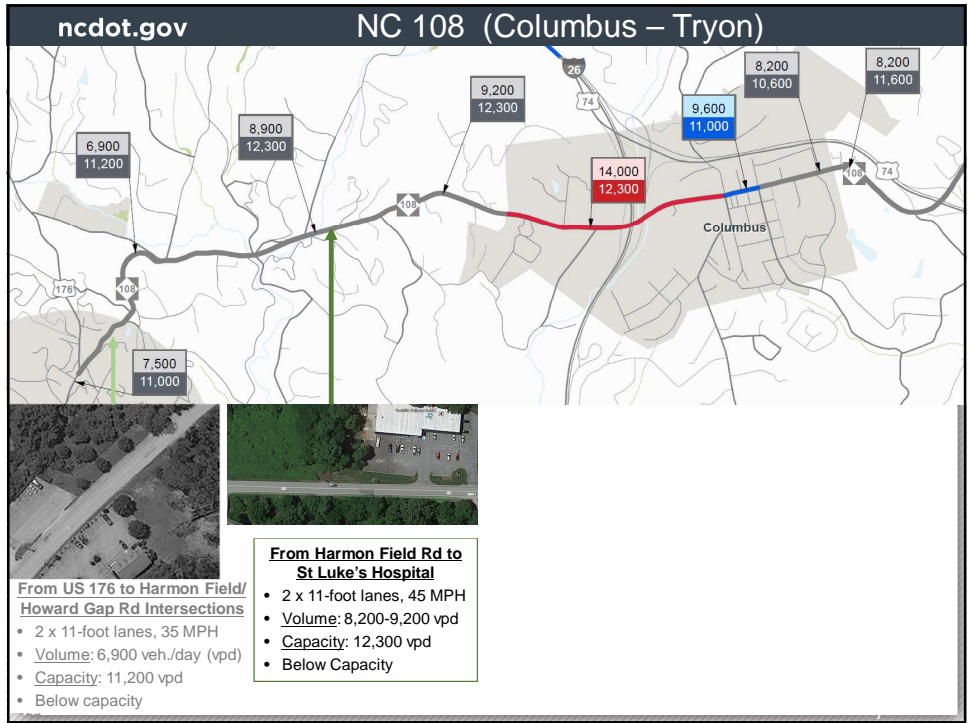
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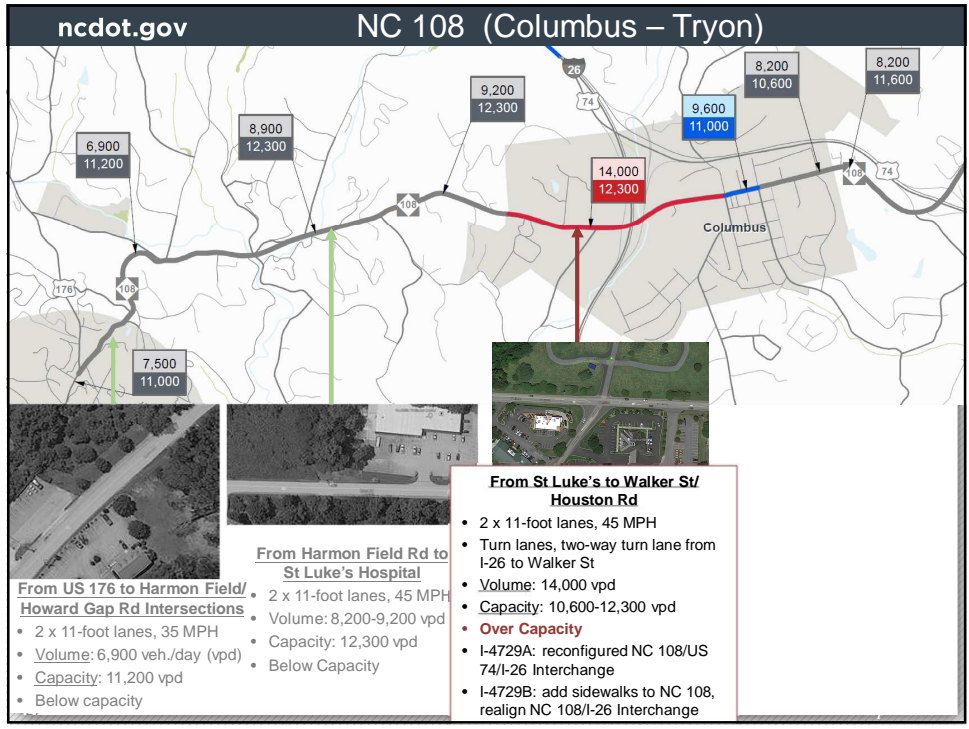
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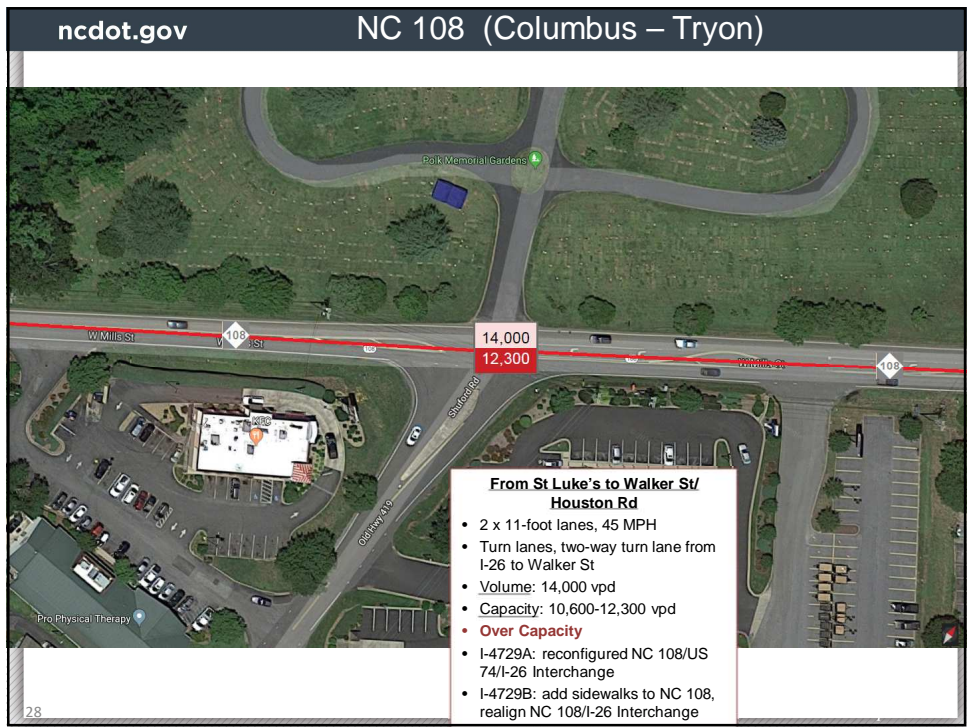
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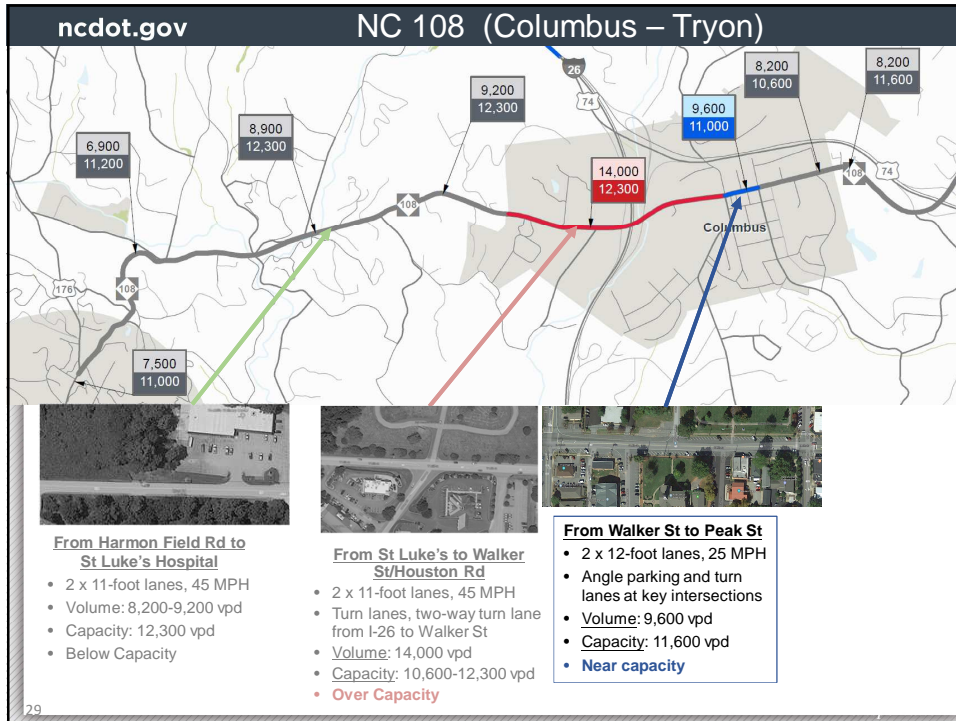
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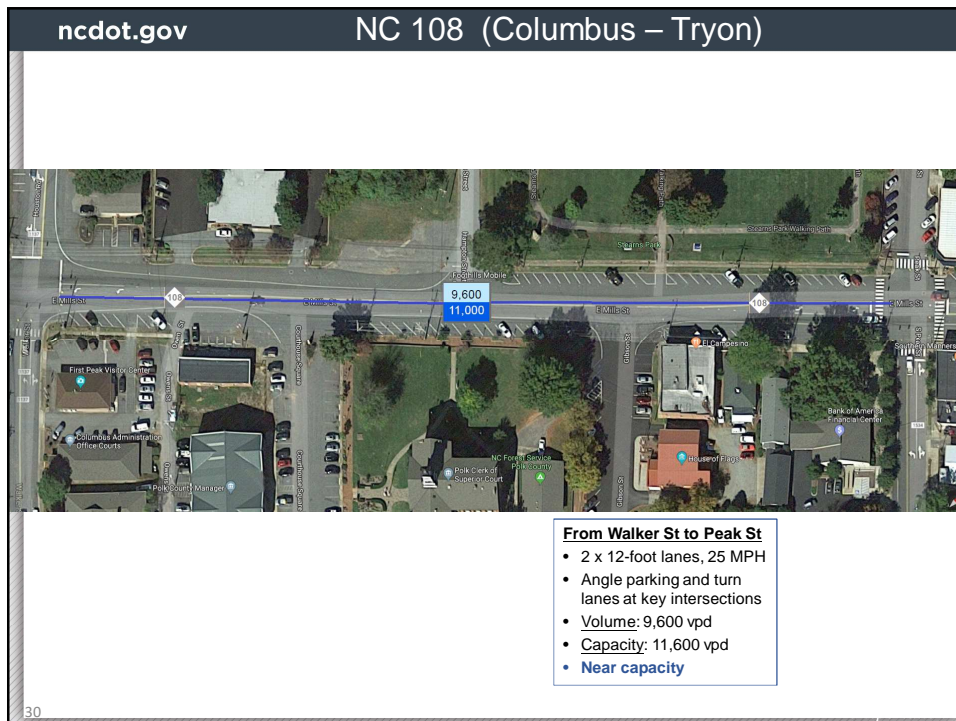
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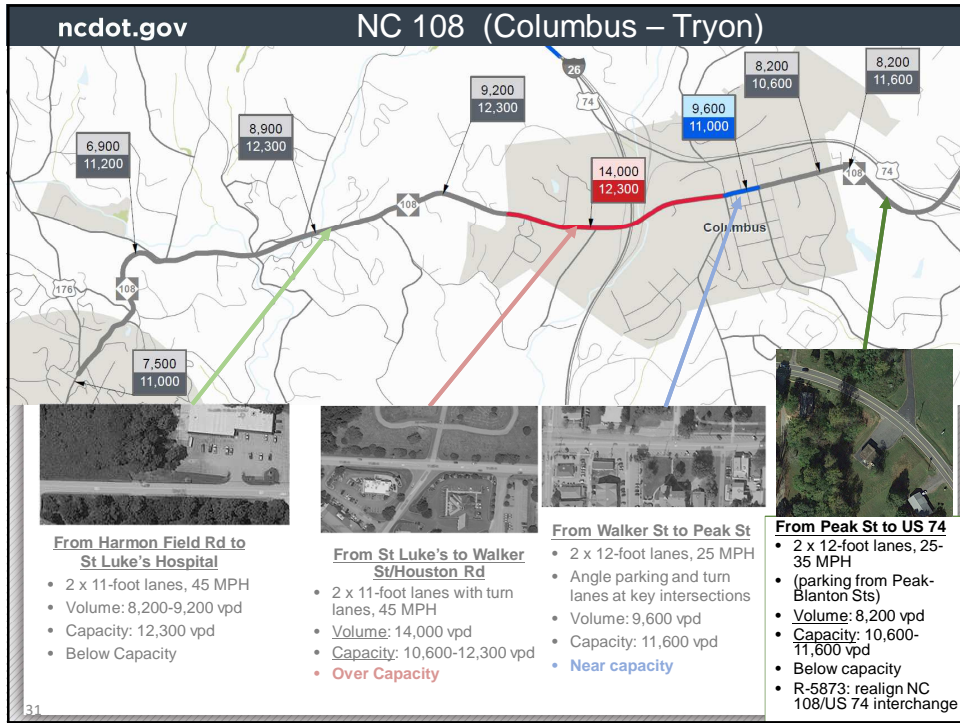
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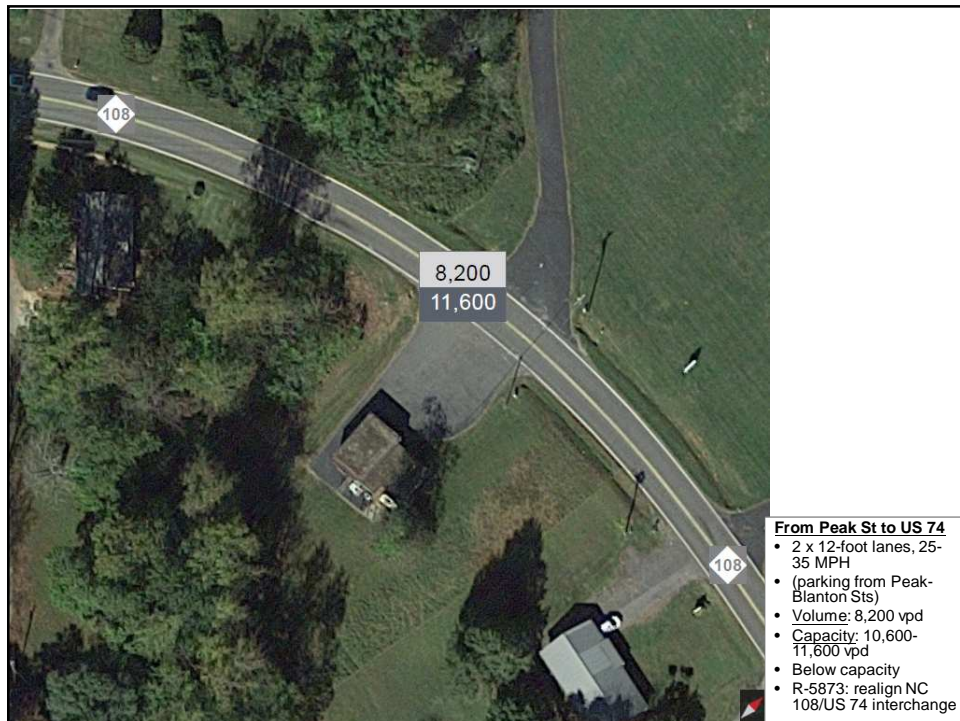
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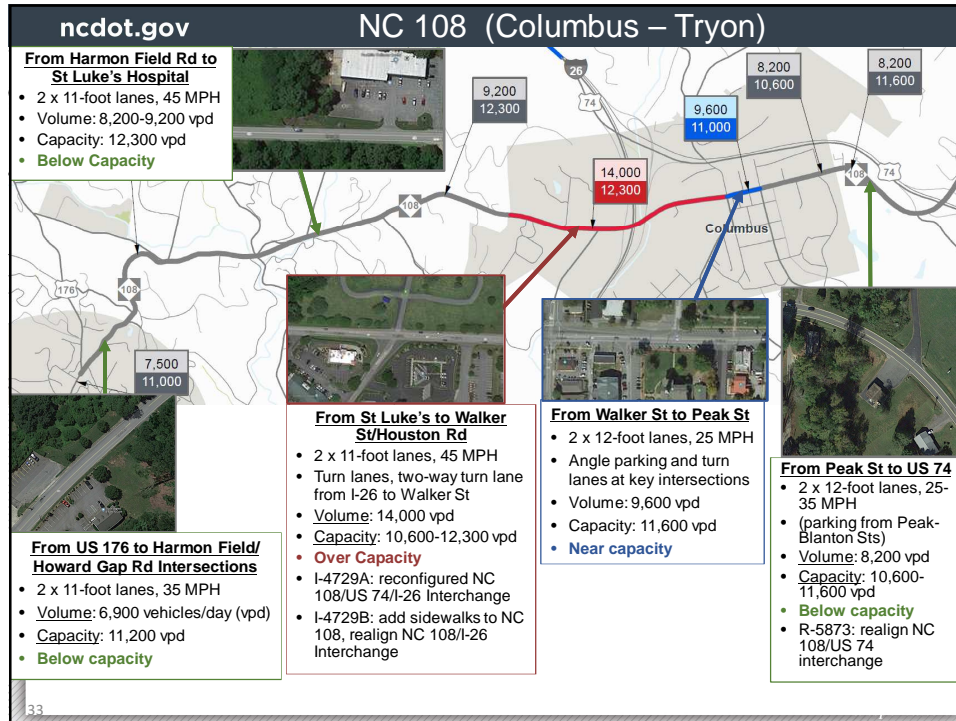
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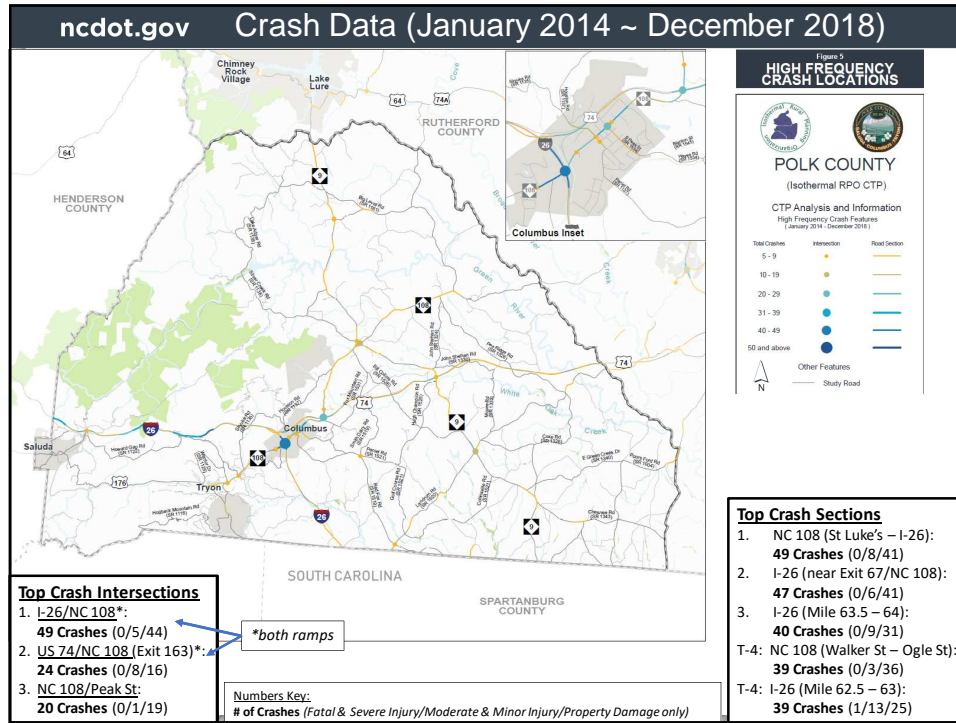
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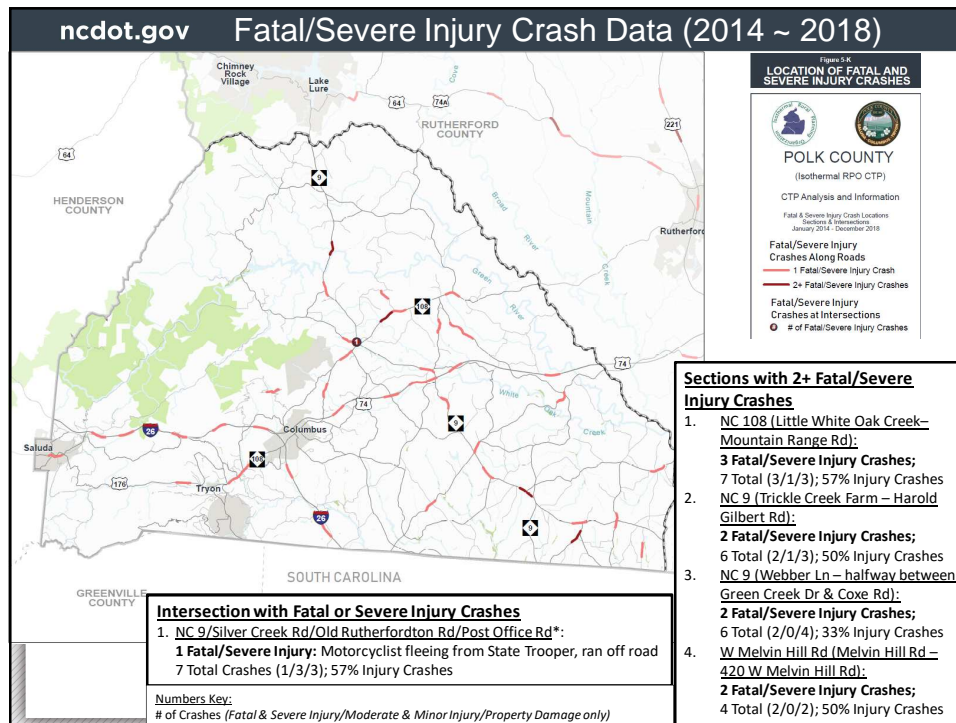
High Frequency Crashes and Fatal/Severe Injury Crash Information

34

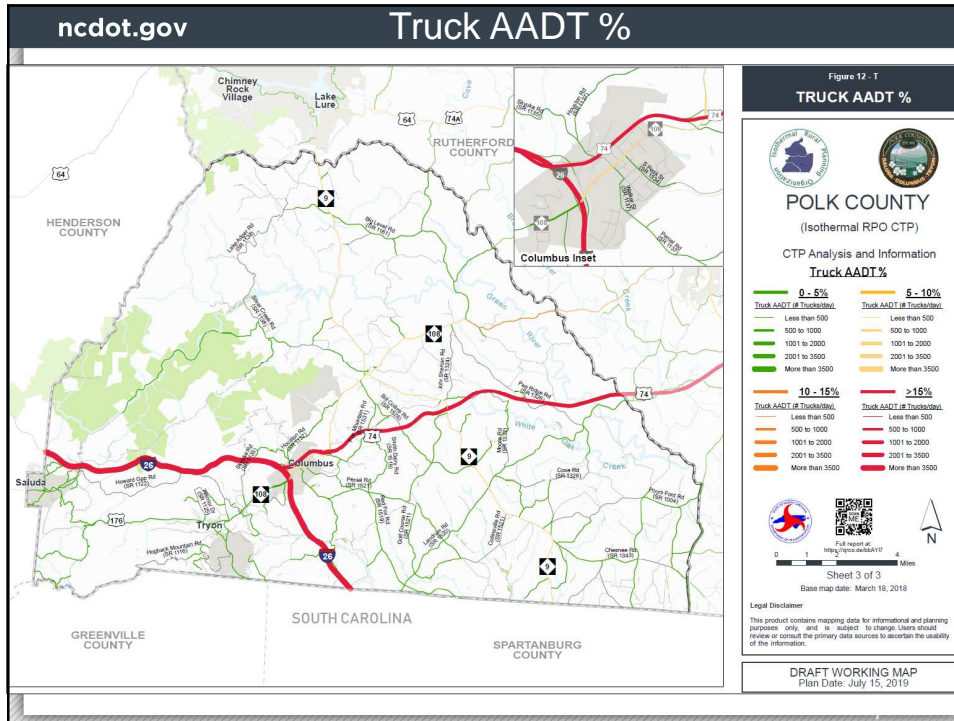
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35



36



37



38

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Population and SE Data Information

2017 Certified County Population Estimates

County	July 2017 Estimate
Polk	21,319

39

39

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Population and SE Data - Polk

Source: OSBM

Population Estimates for Polk County

● Historical Data ● 2017 OSBM ■ 2008 CTP

Historical			OSBM Projections			Projected	OSBM 2017-2038 Rate
2000	2010	2017	2020	2030	2038	2045	2017-2038 (%/yr)
18,362	20,479	21,319	21,760	23,069	23,959	25,199	0.563%

40

Historical (July each year)		Future Growth Rate? Discuss?
2010	2017	
7,836	8,662	

41

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<h2>Next Steps</h2> <ul style="list-style-type: none">• Prepare SE data for local endorsement.• Develop FY traffic forecast (non-modeled area).	

42

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Polk County CTP Team from NCDOT

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919-707-0991

43

43

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Questions?

44

44

County Profile

Polk County (NC)

June 2019

Demographics

Population & Growth

2017 Est Population
2010 Census Total Population
Jul2017 NC Certified Population Estimate

Population

20,434
20,510
21,319

% Annual Growth

0.5%
1.2%

Urban/Rural Representation

2010 Census Total Population: Urban
2010 Census Total Population: Rural

1,585
18,925

Urban/Rural Percent

7.7%
92.3%

Estimated Population by Age

2017 Est Median Age
2017 Est Total Pop 0-19
2017 Est Total Pop 20-24
2017 Est Total Pop 25-34
2017 Est Total Pop 35-44
2017 Est Total Pop 45-54
2017 Est Total Pop 55-64
2017 Est Total Pop 65+

52
3,833
953
1,669
1,937
2,740
3,522
5,780

% Pop by Age

18.7%
4.7%
8.2%
9.5%
13.4%
17.3%
28.3%

Commuters, Workers Age 16 and Over, 2016 ACS Est

Percent of Workers, By Travel Time

Avg Travel Time, Minutes 25.8
Workers Not Working at Home 7,882
Travel Time to Work: < 10 minutes 13.1%
Travel Time to Work: 10-14 minutes 17.3%
Travel Time to Work: 15-19 minutes 13.3%
Travel Time to Work: 20-24 minutes 10.6%
Travel Time to Work: 25-29 minutes 4.7%
Travel Time to Work: 30-34 minutes 13.8%
Travel Time to Work: 35-44 minutes 8.9%
Travel Time to Work: 45-59 minutes 12.9%
Travel Time to Work: 60+ minutes 5.4%

Workers, By Transportation

Worker Transp, Base 8,327
Work at Home 5.3%
Drove Car/Truck/Van Alone 76.7%
Carpooled Car/Truck/Van 12.9%
Public Transportation 0.7%
Walked 1.8%
Bicycle 0.2%
Taxi, Motorcycle, Other 2.4%

Place of Work

Worked in State/County of Residence
Worked in State/Outside County of Residence
Worked Outside State of Residence

Commuters

3,997
2,407
1,924

Residents

48.0%
28.9%
23.1%

Education

2017-18 Kindergarten-12th Enrollment
2018 Average SAT score (1600 new scale)
2018 Percent of Graduates taking SAT
2016-17 Higher Education Completions (Provisional)
2016-17 Higher Education Enrollment (Provisional)
2017 Est Education Attainment - At Least High School Graduate
2017 Est Education Attainment - At Least Bachelor's Degree

2,101
1,157
22.1%
. .
14,015
4,996

Pop Age 25+

89.6%
31.9%

Housing

		% Ann Growth or % Total
2017 Est Total Housing Units	11,603	0.9%
2010 Census Total Housing	8,989	
2010 Census Total Households	11,432	
2010 Census Occupied Housing	6,546	72.8%
2010 Census Vacant Housing	2,443	27.2%
2017 Est Median Value of Owner Occupied Housing	\$205,500	
2017 Est Median Gross Rent	\$825	
2017 Est Owner Occupied Housing	6,514	73.1%
2017 Est Renter Occupied Housing	2,399	26.9%
2017 Est % Owner Occupied Vacancy Rate	4.2%	
2017 Est % Renter Occupied Vacancy Rate	3.4%	

Income

		% Ann Growth or % Pov
2016 Est Median Family Income	\$55,564	
2017 Median Household Income (SAIPE)	\$45,587	(3.4%)
2016 Est Median Worker Earnings	\$25,389	
2017 Per Capita Income (BEA)	\$43,278	
2017 Est Pop, Income Below Poverty (SAIPE)	2,529	12.5%

Employment / Unemployment

	Currently	2018 Annual
Apr2019 Prelim., 2018 Employment	8,711	8,633
Apr2019 Prelim., 2018 Unemployment	315	336
Apr2019 Prelim., 2018 Unemployment Rate	3.5%	3.7%
2018Q3YTD, 2017 Announced Job Creation	129	.
2018Q3YTD, 2017 Total Announced Investments (\$mil)	\$9.2	.

Employment / Wages by Industry

	2018Q4 Employment	2018 Employment	2018Q4 Avg Weekly Wage	2018 Avg Weekly Wage
Total All Industries	4,953	4,958	\$665	\$627
Total Government	936	912	\$778	\$704
Total Private Industry	4,017	4,046	\$639	\$609
Agriculture Forestry Fishing & Hunting	111	.	\$661	.
Mining	0	0	\$0	\$0
Utilities	.	.	.	.
Construction	196	195	\$699	\$678
Manufacturing	290	302	\$731	\$643
Wholesale Trade	100	110	\$1,298	\$1,196
Retail Trade	357	363	\$486	\$460
Transportation and Warehousing	60	.	\$1,046	.
Information	40	38	\$836	\$828
Finance and Insurance	90	94	\$1,087	\$1,144
Real Estate and Rental and Leasing	.	.	.	.
Professional and Technical Services	151	141	\$963	\$949
Mgt of Companies, Enterprises	0	0	\$0	\$0
Administrative and Waste Services	173	161	\$532	\$539
Educational Services	.	.	.	.
Health Care and Social Assistance	1,505	1,496	\$655	\$644
Arts, Entertainment and Recreation	324	360	\$649	\$522
Accommodation and Food Services	472	475	\$323	\$307
Other Services Ex. Public Admin	164	159	\$620	\$584
Public Administration	390	395	\$757	\$641
Unclassified	0	0	\$0	\$0

Commercial/Retail/Industrial

Local Business

2018Q4 Available Industrial Buildings	.
2018Q4 Establishments: Total Private Industry	538
2018Q4 Establishments: Manufacturing	20
2016 Est Self Employed	940

Local Retail Business

2018 Total Retail Sales (With Food/Drink) (\$mil)	\$145.5
2018 Total Retail Businesses (With Food/Drink)	167
2018 Avg Sales/Business Total (with Food/Drink)	\$871,250
2018Q4 Available Commercial Buildings (if County reports)	14

Quality of Life

Taxes

FY2018-19 Property Tax Rate per \$100 Value	\$0.5294
FY2017-18 Annual Taxable Retail Sales (\$mil)	\$147.2
2019 Tier designation	2

Childcare

2018Q4 Licensed Child Care Facilities	6
2018Q4 Licensed Child Care Enrollment	187

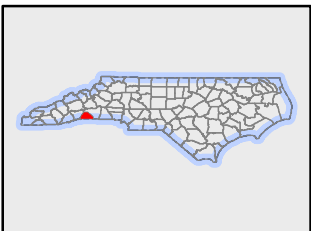
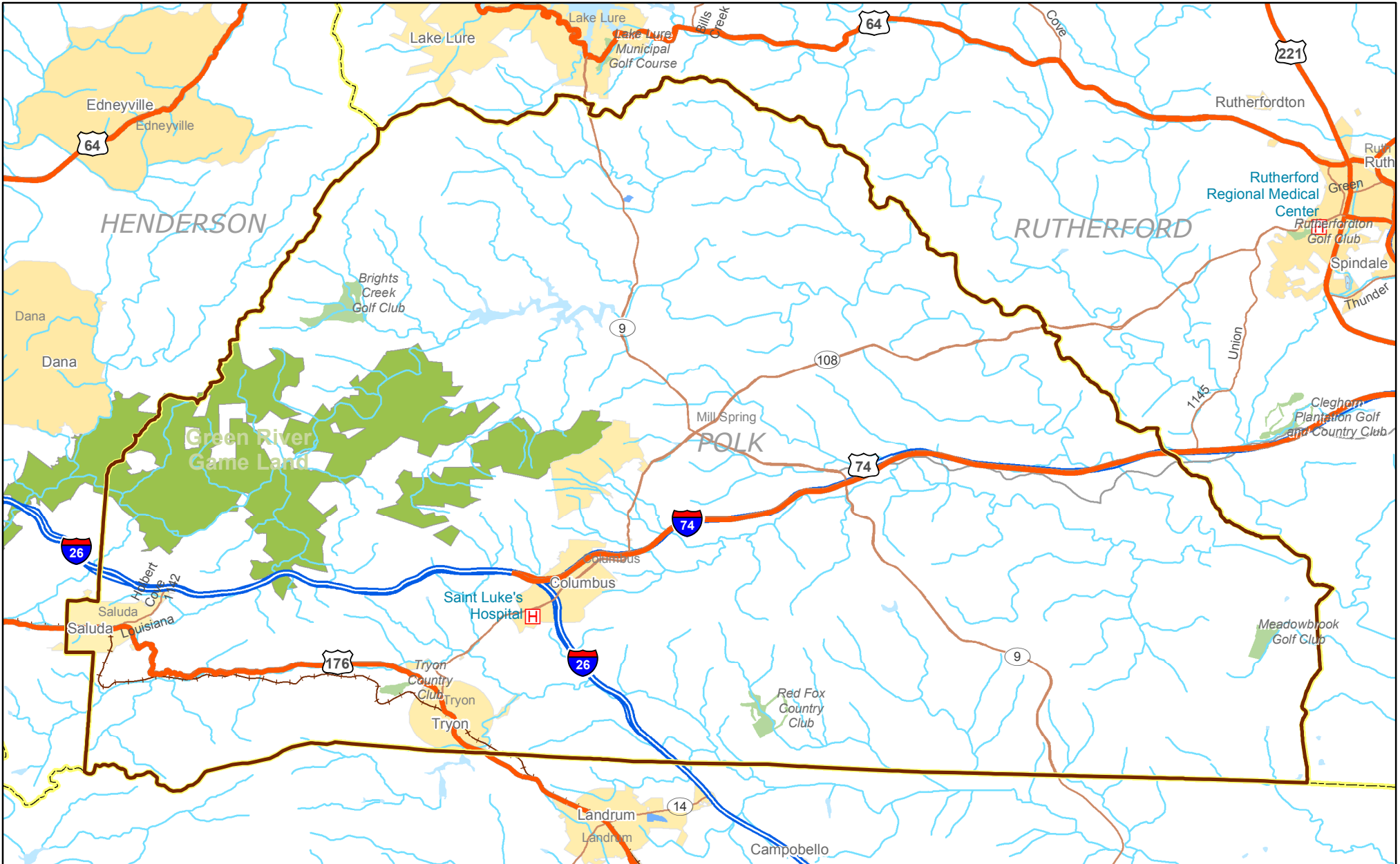
Healthcare Providers

2018 Number of Physicians	30
2018 Physicians/10,000 population	14.1
2017 RNs/10,000 population	68.1
2018 Dentists/10,000 population	2.4
2016 Pharmacists/10,000 population	5.2

Sources:
Census (2010 & ACS 2012-16) for demographics, commuters, place of work, educational attainment, (ACS 2016-17 housing, and income data) at <https://factfinder.census.gov>. ESRI for retail data at www.ESRI.com. NC Dept. of Education for SAT data by NC county system at <http://www.ncpublicschools.org>. US Dept. of Education, National Center for Education Statistics for higher education data at <https://nces.ed.gov/ipeds/datacenter>. NC Commerce, Labor and Economic Analysis Division, for NC tiers, occupational data, employment and unemployment, and wages and establishments by industry at <http://accessnc.nccommerce.com/>. EDPNC for announced new jobs and investment and available buildings at <https://edpnc.com>. NC Dept. of Health & Human Services for childcare data at <http://www.ncdhhs.gov/>. UNC Sheps Center for healthcare professions at <https://nchealthworkforce.unc.edu/>. Full datasets and topic dashboards are available at <http://AccessNC.NCCommerce.com>.

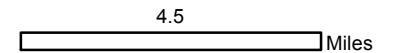
Notes:
Data are the latest available at the date the profile was prepared. SAT scores use the new 1600 scoring system started in 2016 and represent county systems. Unemployment data is now the latest month which is preliminary and is subject to change. US Education IPEDs data for Completions and Enrollment is at least Provisional and updated when Final. American Community Survey (ACS) data are estimates, noted 'Est' and are from the 5-year survey; data is as of final year with dollars inflated to final year. Additional data, reports, and dashboards are available at: <http://accessnc.nccommerce.com/index.html>.

Polk County, North Carolina



Legend

14,000,001 - 43,130,585	Public University	Interstate
3,000,001 - 14,000,000	Private University	US Route
0 - 3,000,000	NC Community Colleges	NC Route
	Hospital	County Boundary



Polk County Commuting Report, Primary Jobs 2015

OVERALL INFLOW OUTFLOW ANALYSIS

Resident Flow (Live/Work in Polk County)	Jobs
Resident Live/Work in Polk County	1,962
Worker inflow	2,785
Resident Outflow	5,164
Net Flow	-2,379

COMMUTING FLOW ANALYSIS BY EARNING, AGE AND INDUSTRY GROUP

Earnings Group	Worker Inflow	Percent of Total	Resident Worker	Percent of Total	Resident Outflow	Percent of Total	Net Flow
Jobs earning \$1,250 per month or less	850	30.5%	592	30.2%	1,105	21.4%	-255
Jobs earning \$1,251 to \$3,333 per month	1,306	46.9%	959	48.9%	2,205	42.7%	-899
Jobs earning more than \$3,333 per month	629	22.6%	411	20.9%	1,854	35.9%	-1,225

Age Group	Worker Inflow	Percent of Total	Resident Worker	Percent of Total	Resident Outflow	Percent of Total	Net Flow
Jobs of workers age 29 or younger	568	20.4%	388	19.8%	1,089	21.1%	-521
Jobs for workers age 30 to 54	1,546	55.5%	881	44.9%	2,781	53.9%	-1,235
Jobs for workers age 55 or older	671	24.1%	693	35.3%	1,294	25.1%	-623

Industry Group	Worker Inflow	Percent of Total	Resident Worker	Percent of Total	Resident Outflow	Percent of Total	Net Flow
Jobs in Goods Producing industries	373	13.4%	348	17.7%	1,104	21.4%	-731
Jobs in Trade, Transportation, and Utilities industries	269	9.7%	182	9.3%	1,117	21.6%	-848
Jobs in All Other Services industries	2,143	76.9%	1,432	73.0%	2,943	57.0%	-800

Data Source: US Census Bureau, Center for Economic Studies, LODES, 2015, available in 2017

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COMMUTING BY TOP 10 COUNTIES AND BY STATE

Workers Coming Into Polk County

Resident County	Jobs	Percent of Inflow Jobs	Percent of All County Jobs
Rutherford County, NC	563	20.2%	11.9%
Spartanburg County, SC	442	15.9%	9.3%
Henderson County, NC	370	13.3%	7.8%
Buncombe County, NC	249	8.9%	5.2%
Greenville County, SC	155	5.6%	3.3%
Mecklenburg County, NC	108	3.9%	2.3%
Cleveland County, NC	95	3.4%	2.0%
McDowell County, NC	54	1.9%	1.1%
Haywood County, NC	44	1.6%	0.9%
Union County, NC	37	1.3%	0.8%

Workers Coming into Polk County by Surrounding State

State	State Resident Workers	Percent of Inflow Jobs	Percent of All County Jobs
South Carolina	690	24.8%	14.5%
Tennessee	16	0.6%	0.3%
Georgia	10	0.4%	0.2%
Virginia	2	0.1%	0.0%

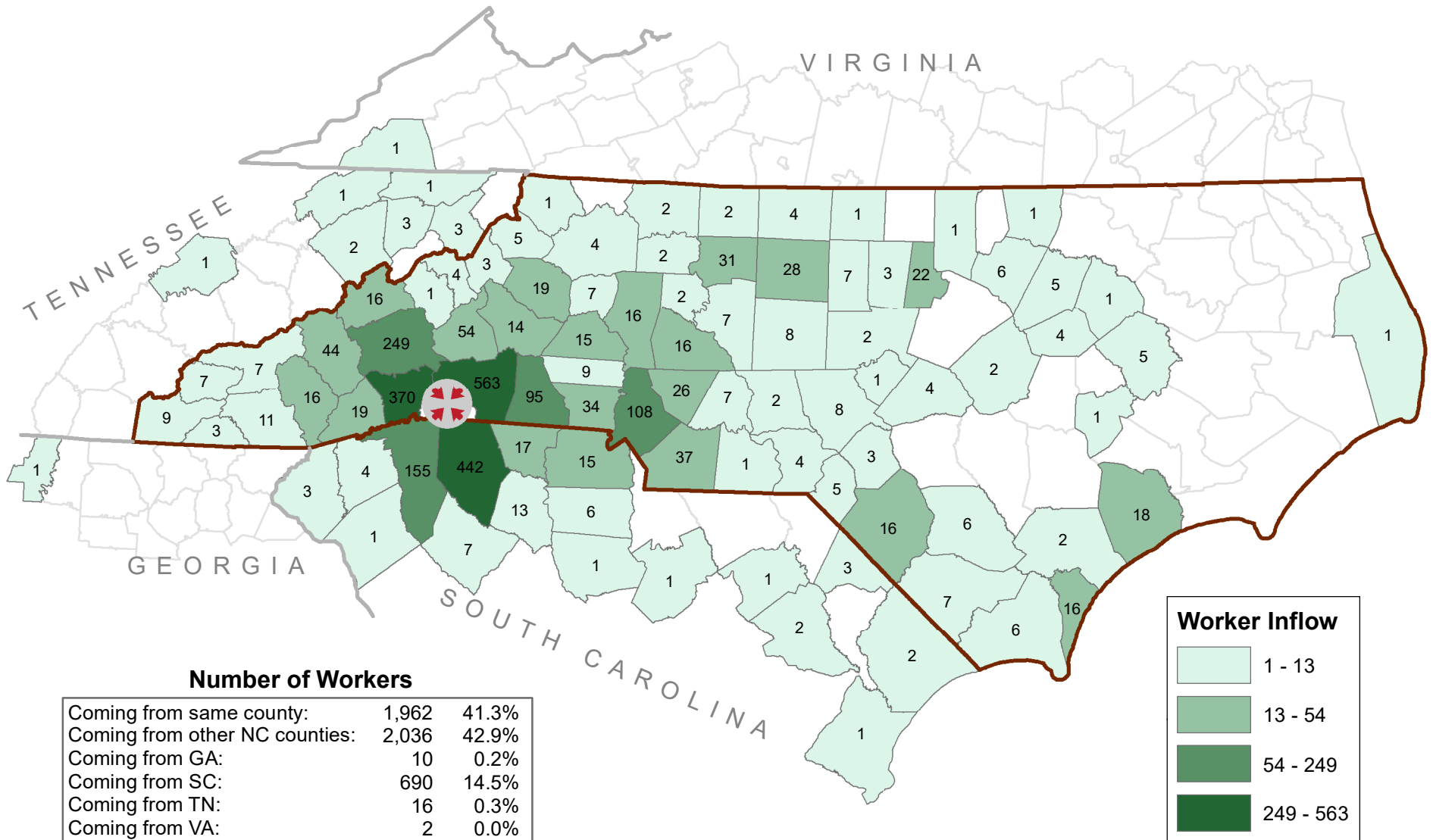
Residents Working Out of Polk County

Workplace County	Jobs	Percent of Outflow Jobs	Percent of All County Jobs
Spartanburg County, SC	957	18.5%	13.4%
Henderson County, NC	660	12.8%	9.3%
Mecklenburg County, NC	538	10.4%	7.5%
Rutherford County, NC	474	9.2%	6.7%
Buncombe County, NC	459	8.9%	6.4%
Greenville County, SC	301	5.8%	4.2%
Wake County, NC	252	4.9%	3.5%
Cleveland County, NC	112	2.2%	1.6%
Gaston County, NC	106	2.1%	1.5%
Catawba County, NC	102	2.0%	1.4%

Residents Working Out of Polk County by Surrounding State

State	State Resident Workers	Percent of Outflow Jobs	Percent of All County Jobs
South Carolina	1,419	27.5%	29.9%
Virginia	16	0.3%	0.3%
Georgia	13	0.3%	0.3%
Tennessee	11	0.2%	0.2%

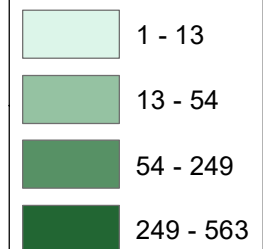
Workers Commuting into Polk County, North Carolina



Number of Workers

Coming from same county:	1,962	41.3%
Coming from other NC counties:	2,036	42.9%
Coming from GA:	10	0.2%
Coming from SC:	690	14.5%
Coming from TN:	16	0.3%
Coming from VA:	2	0.0%
Coming from all other States:	31	0.7%
Total:	4,747	100%

Worker Inflow



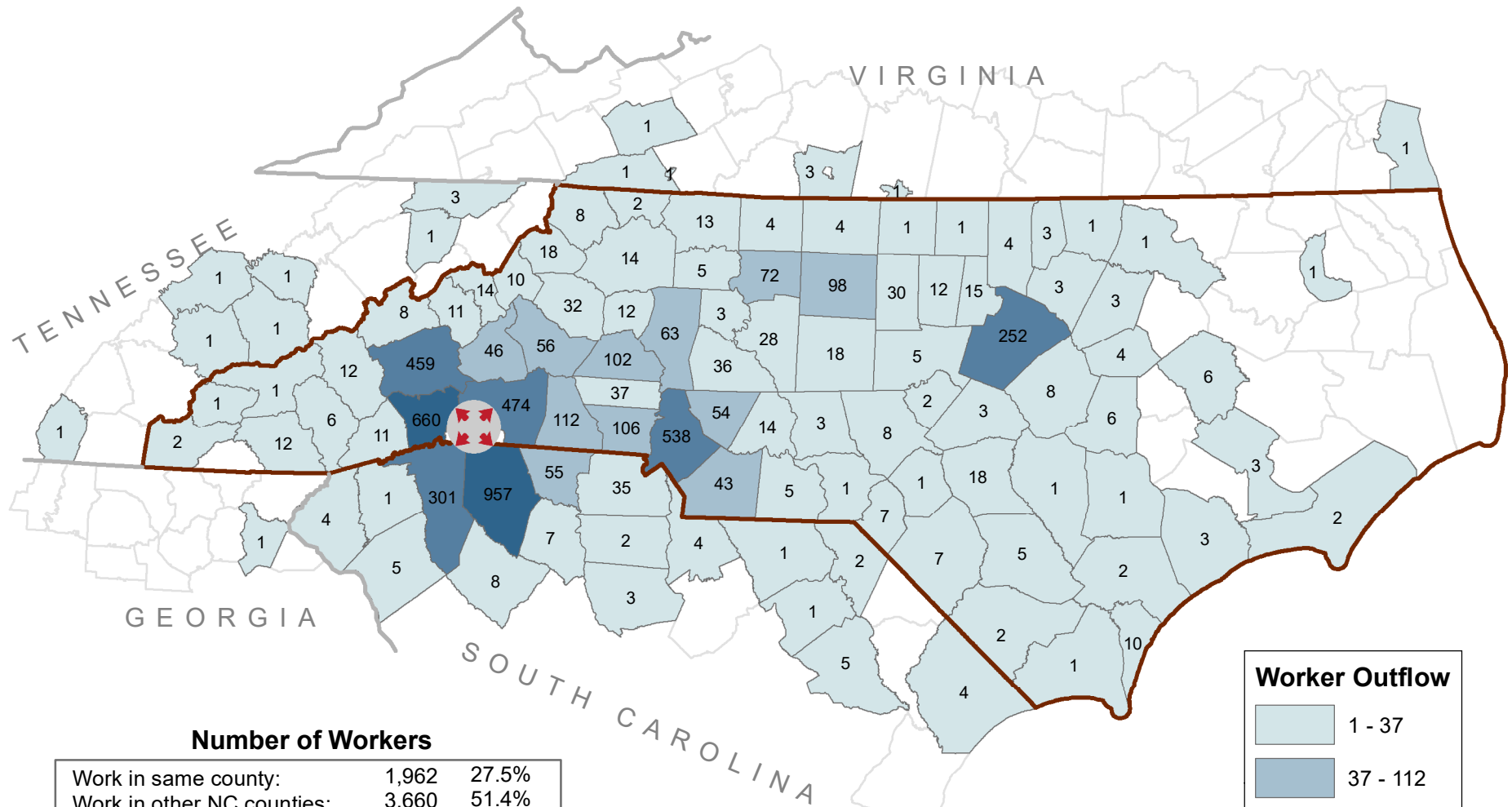
Data Source: US Census Bureau, Center for Economic Studies, LODES, 2015.
Map Created in October, 2017

60 Miles



NORTH CAROLINA
DEPARTMENT OF COMMERCE

Workers Commuting out of Polk County, North Carolina



Number of Workers

Work in same county:	1,962	27.5%
Work in other NC counties:	3,660	51.4%
Work in GA:	13	0.2%
Work in SC:	1,419	19.9%
Work in TN:	11	0.2%
Work in VA:	16	0.2%
Work in all other States	45	0.6%
Total:	7,126	100%

