Comprehensive Transportation Plan Update

PARSONS BRINCKERHOFF

Technical Advisory Committee Meeting #1

March 11, 2015

Agenda

- Plan Purpose & Schedule Recap
- Data Highlights
- Needs Assessment
- Goals, Objectives and Performance Measures
- Next Steps

Project Purpose

- Re-evaluation of the 2008 CTP vision, goals, objectives, and investment strategies
- Update existing and future needs based on current conditions
- Identify potential solutions, with a focus on innovative, less costly options
- Develop funding strategy and prioritize future SPLOST projects

Schedule

Task	Summer 2014	Fall 2014	Winter 2015	Spring 2015	Summer 2015
Project Kickoff / Stakeholder Meetings					
Inventory of Existing Conditions					
Needs Assessment					
Draft Recommendations / Prioritization					
Final Recommendations/ Report					

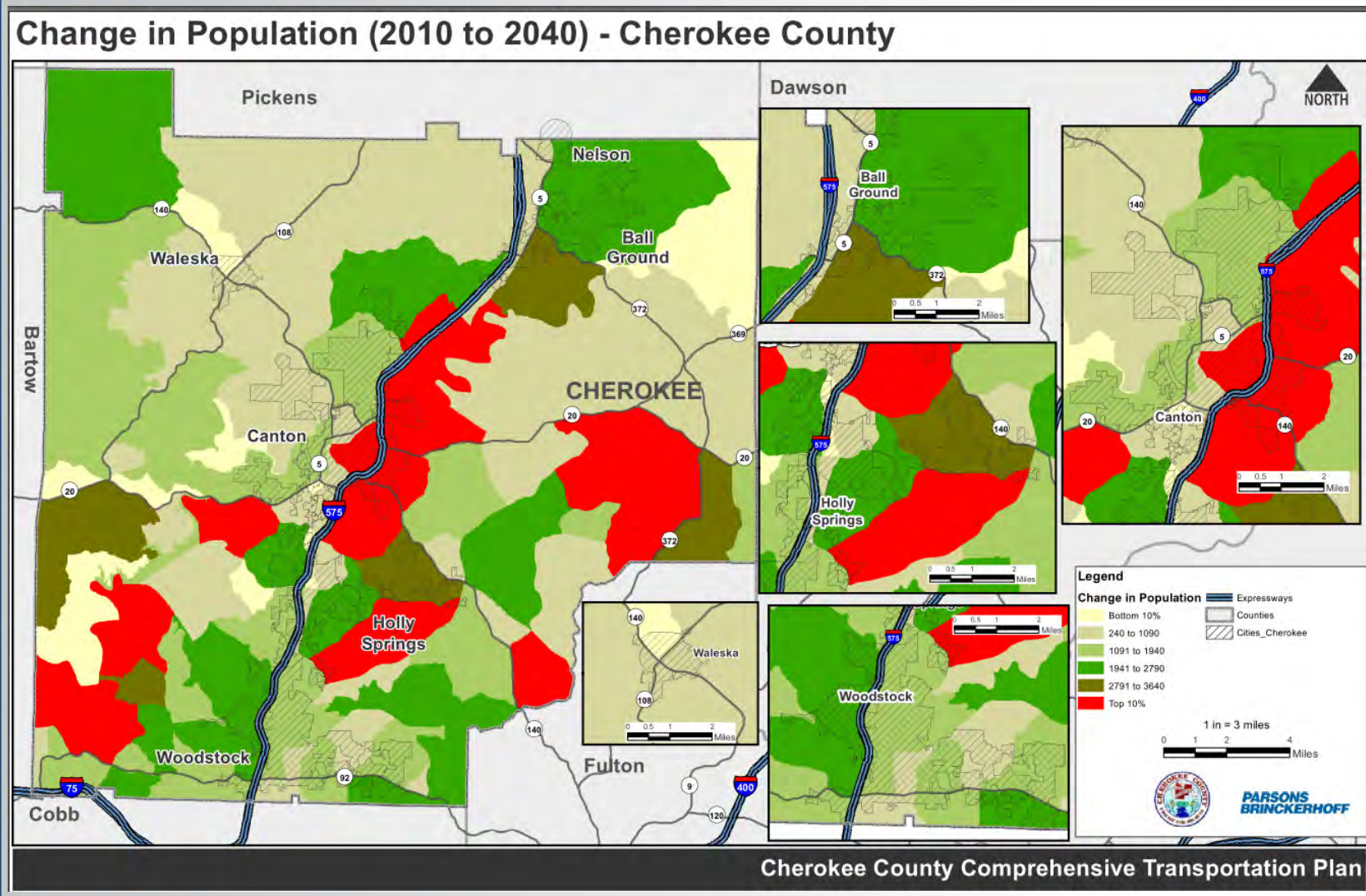
Committee Meetings

Public Meetings

Population Overview

- Between 1980 and 2010 the county grew by 315%
- Current Profile
  - Density concentrated in southern half
  - Fewer youth, minorities and low income households than metro and statewide averages
  - More seniors than metro average
- Projected Population Growth
  - 94% increase in total population through 2040
  - Continued strong growth, but at a slower rate, highest rate of growth from 2010-2020
  - Increasing share of regional population

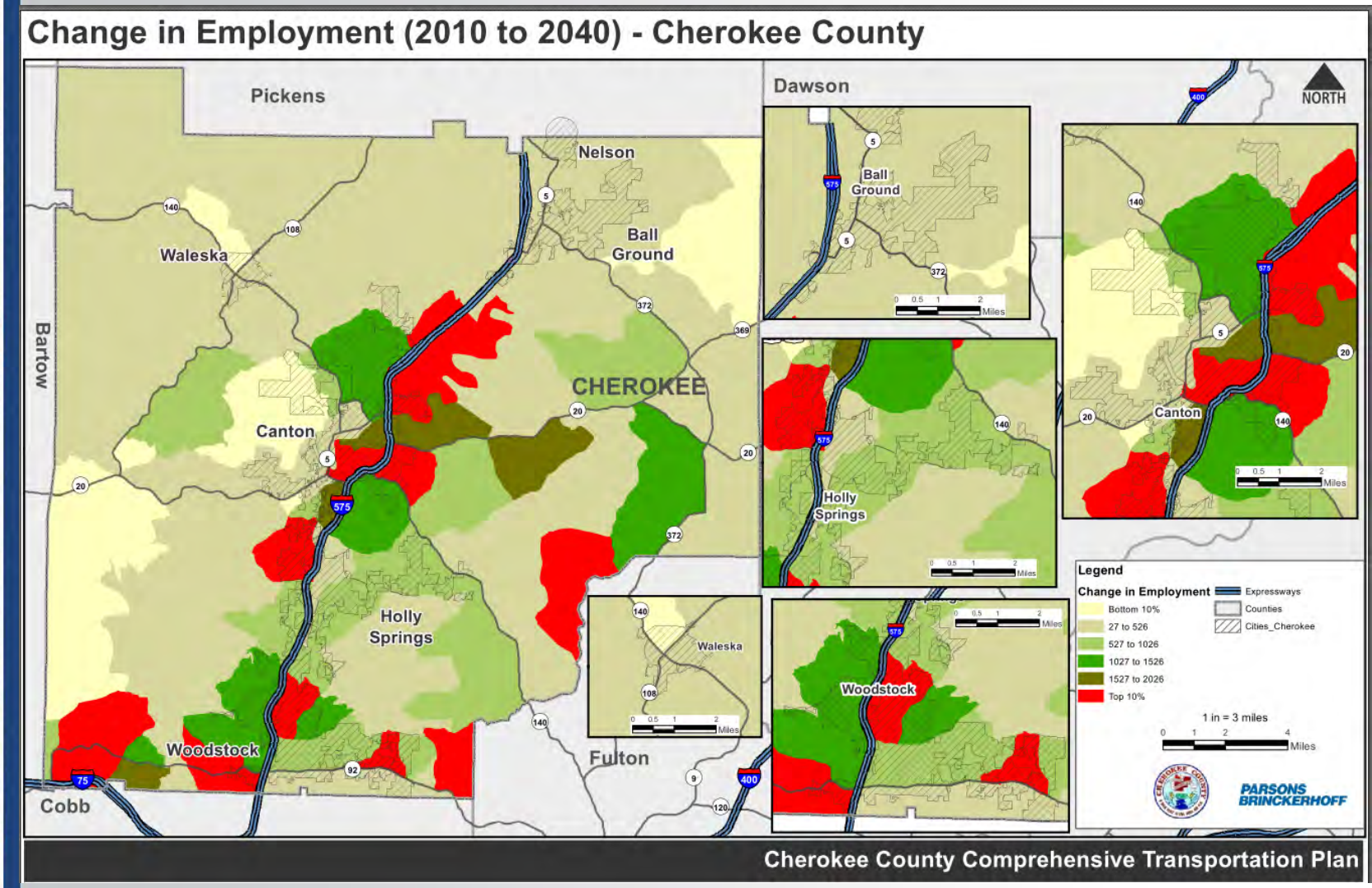
Projected Population Change (2010-2040)



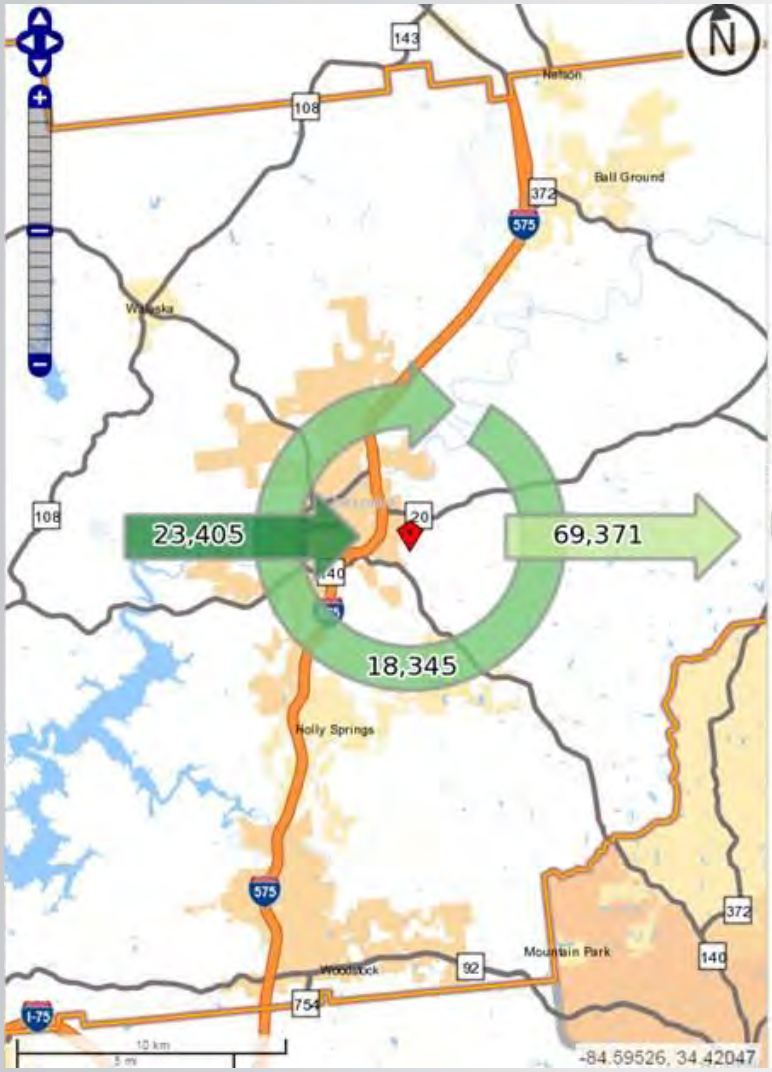
Employment Overview

- Low unemployment rate relative to region and state
- Industry Mix
  - Higher proportion of goods-producing jobs, mainly Construction and Manufacturing
  - Lower proportion of service-producing jobs, significant employment in Retail Trade
- Projected Employment Growth
  - 166% increase in employment through 2040
  - Increased share of regional employment
  - Significant growth in high paying sectors

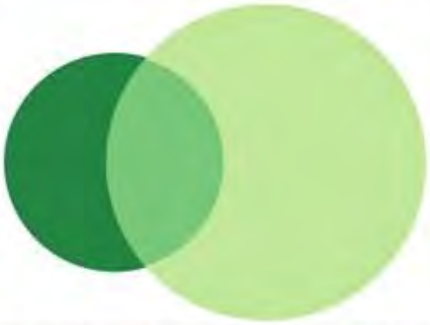
Projected Employment Change (2010-2040)



Commuting Patterns



Inflow/Outflow Job Counts in 2011



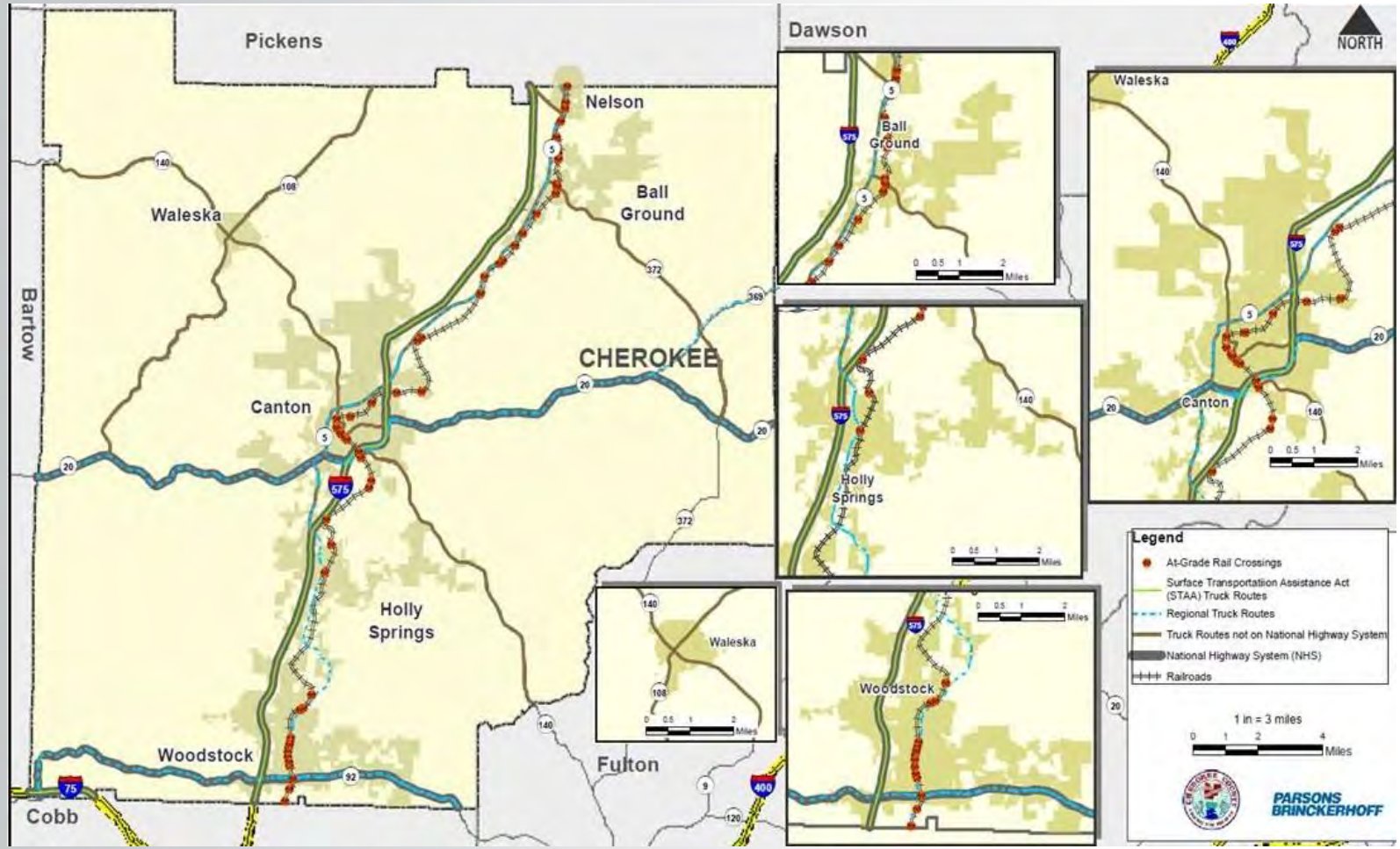
23,405 - Employed in Selection Area, Live Outside
69,371 - Live in Selection Area, Employed Outside
18,345 - Employed and Live in Selection Area

Inflow/Outflow Job Counts (Primary Jobs) 2011

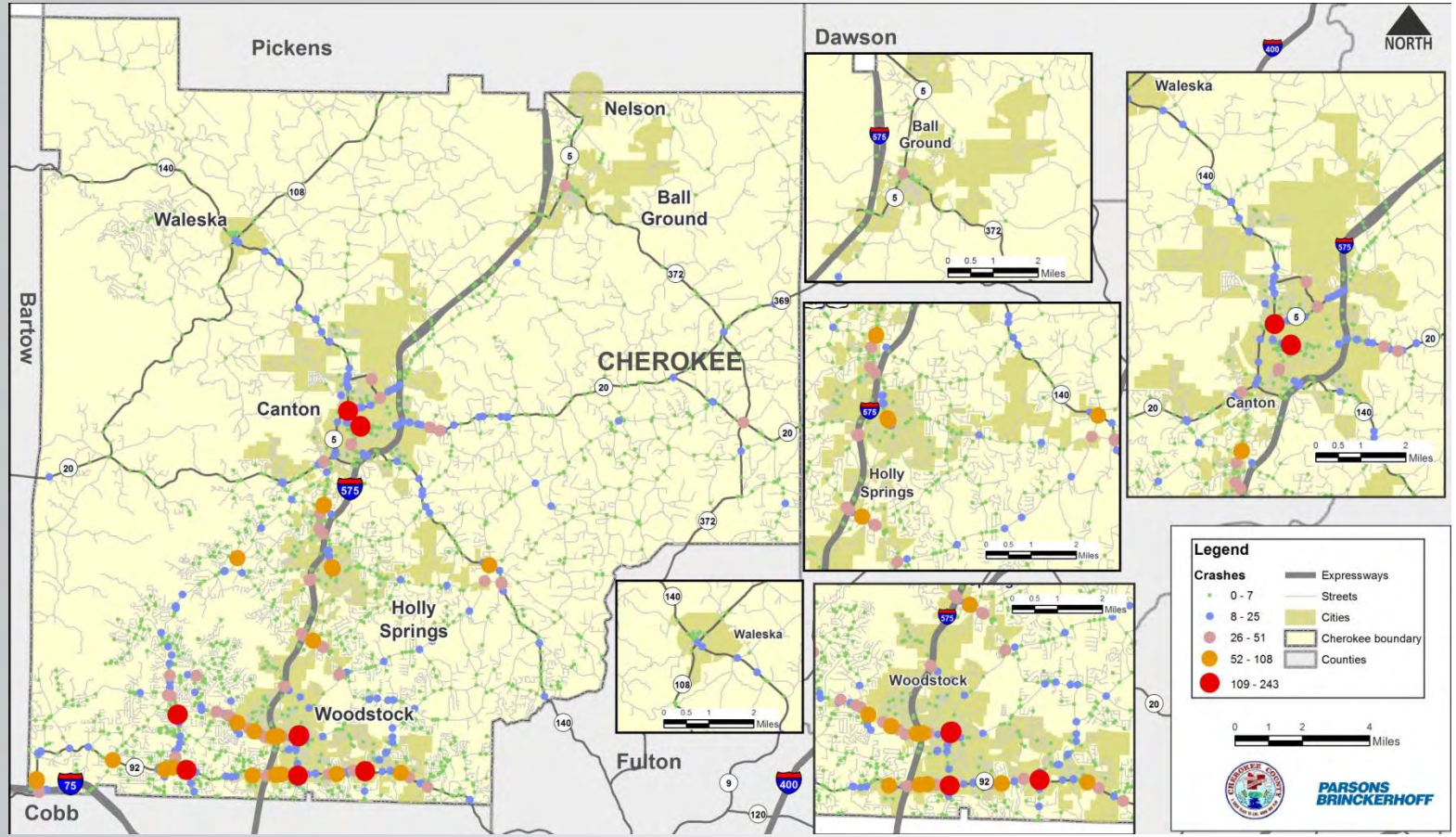
	Count	Share
Employed in the Selection Area	41,750	100.0%
Employed in the Selection Area but Living Outside	23,405	56.1%
Employed and Living in the Selection Area	18,345	43.9%
Living in the Selection Area	87,716	100.0%
Living in the Selection Area but Employed Outside	69,371	79.1%
Living and Employed in the Selection Area	18,345	20.9%

Reset Highlighting

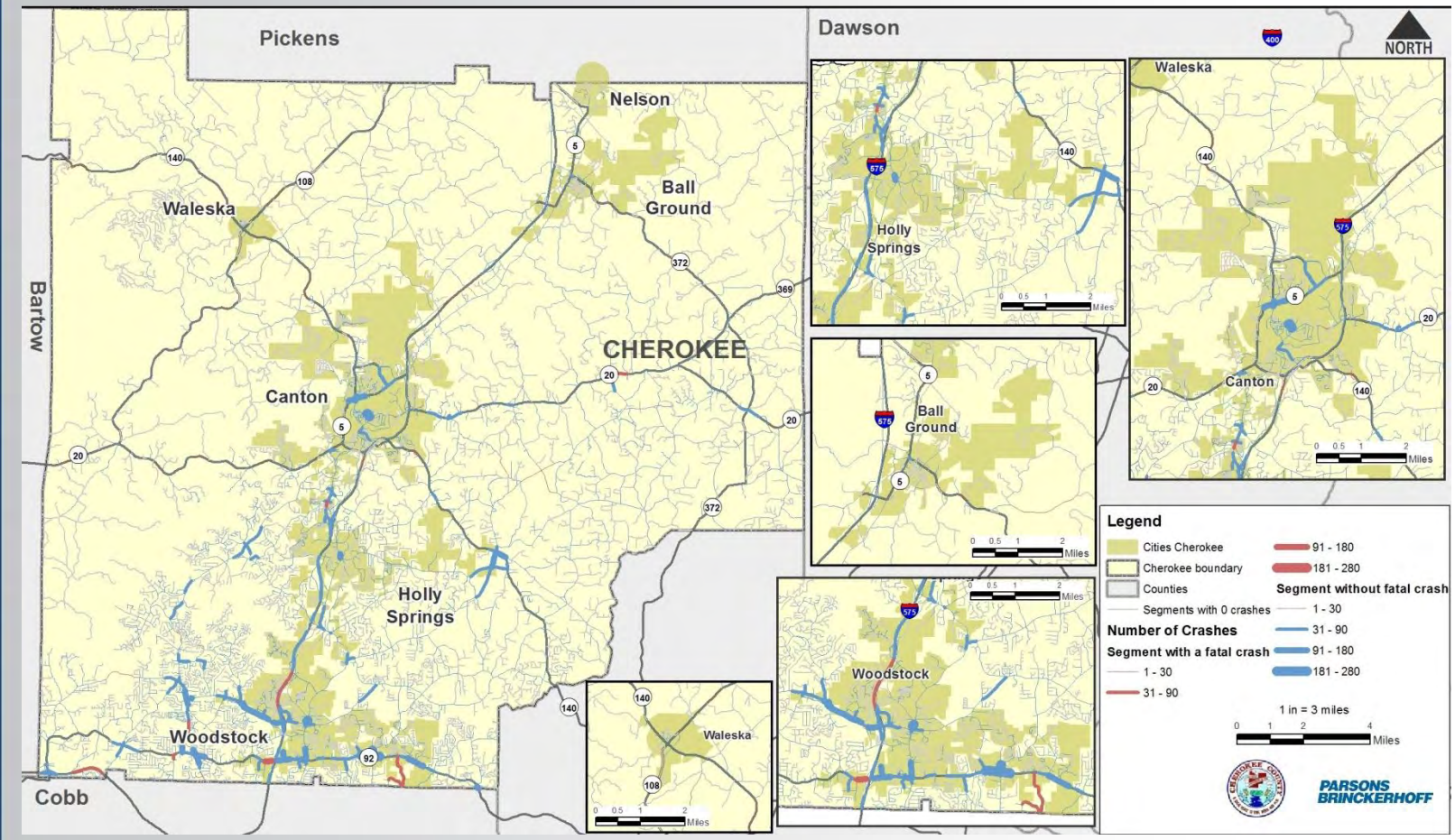
Freight Facilities



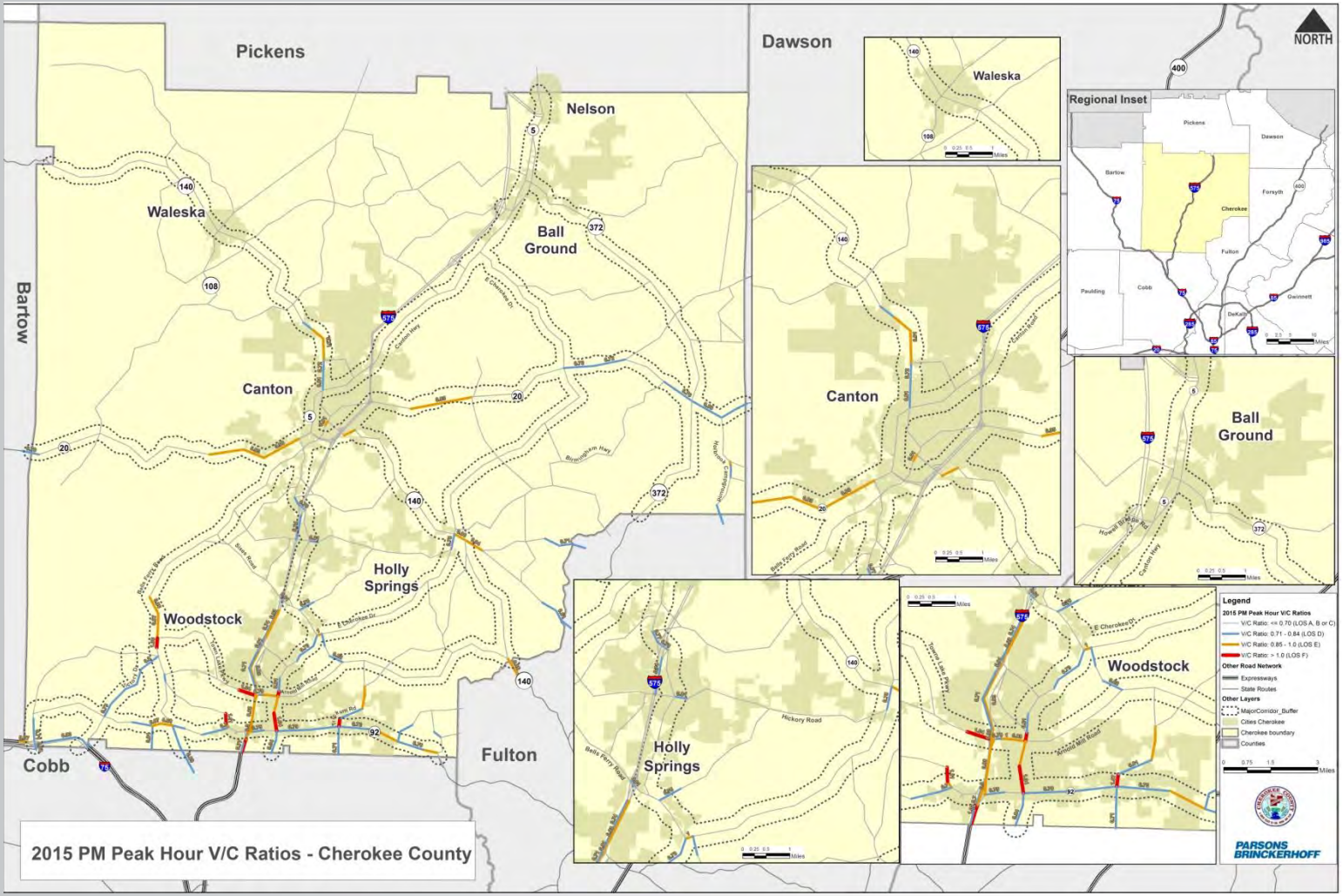
High Crash Intersections



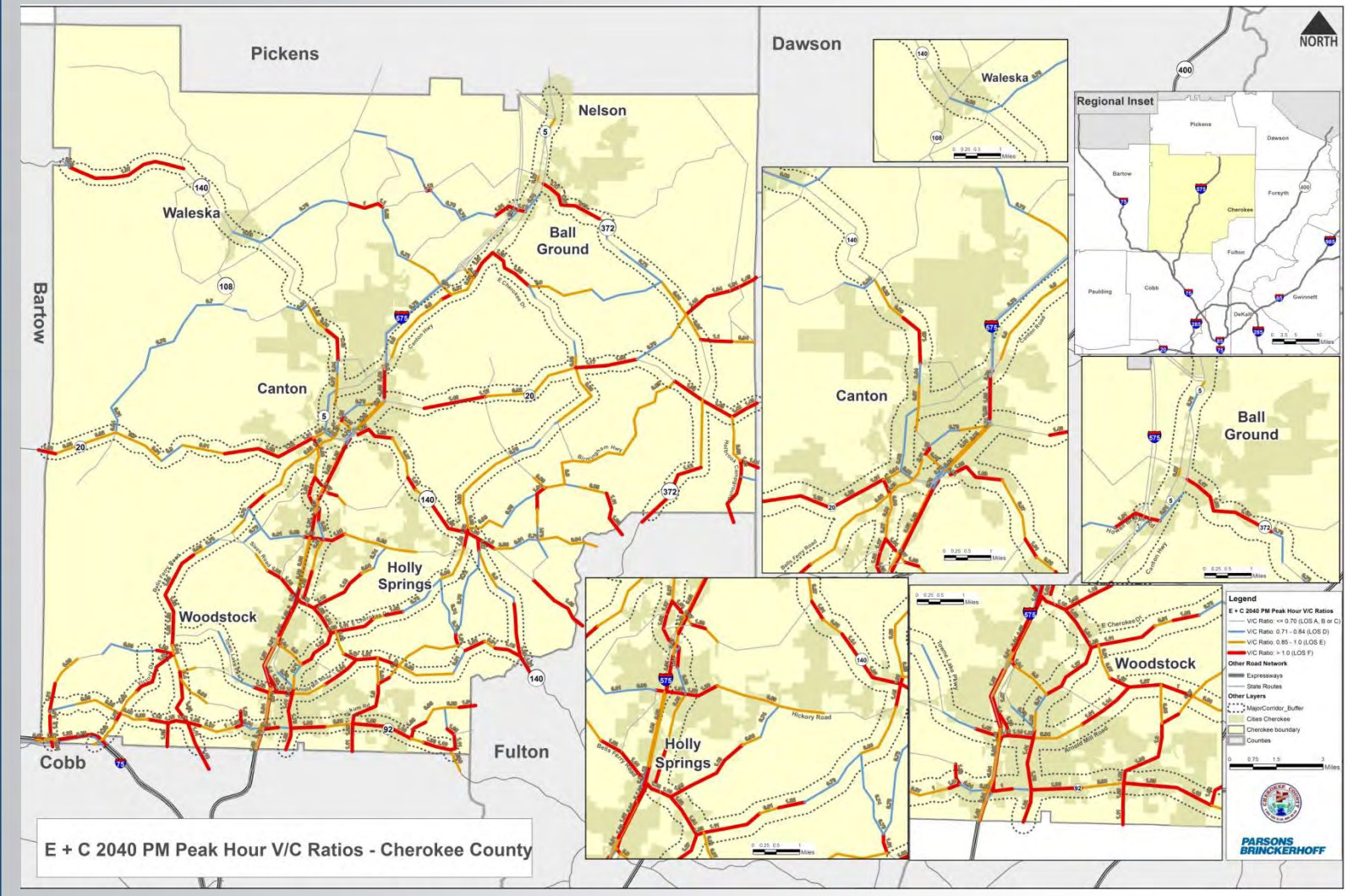
High Crash Road Segments



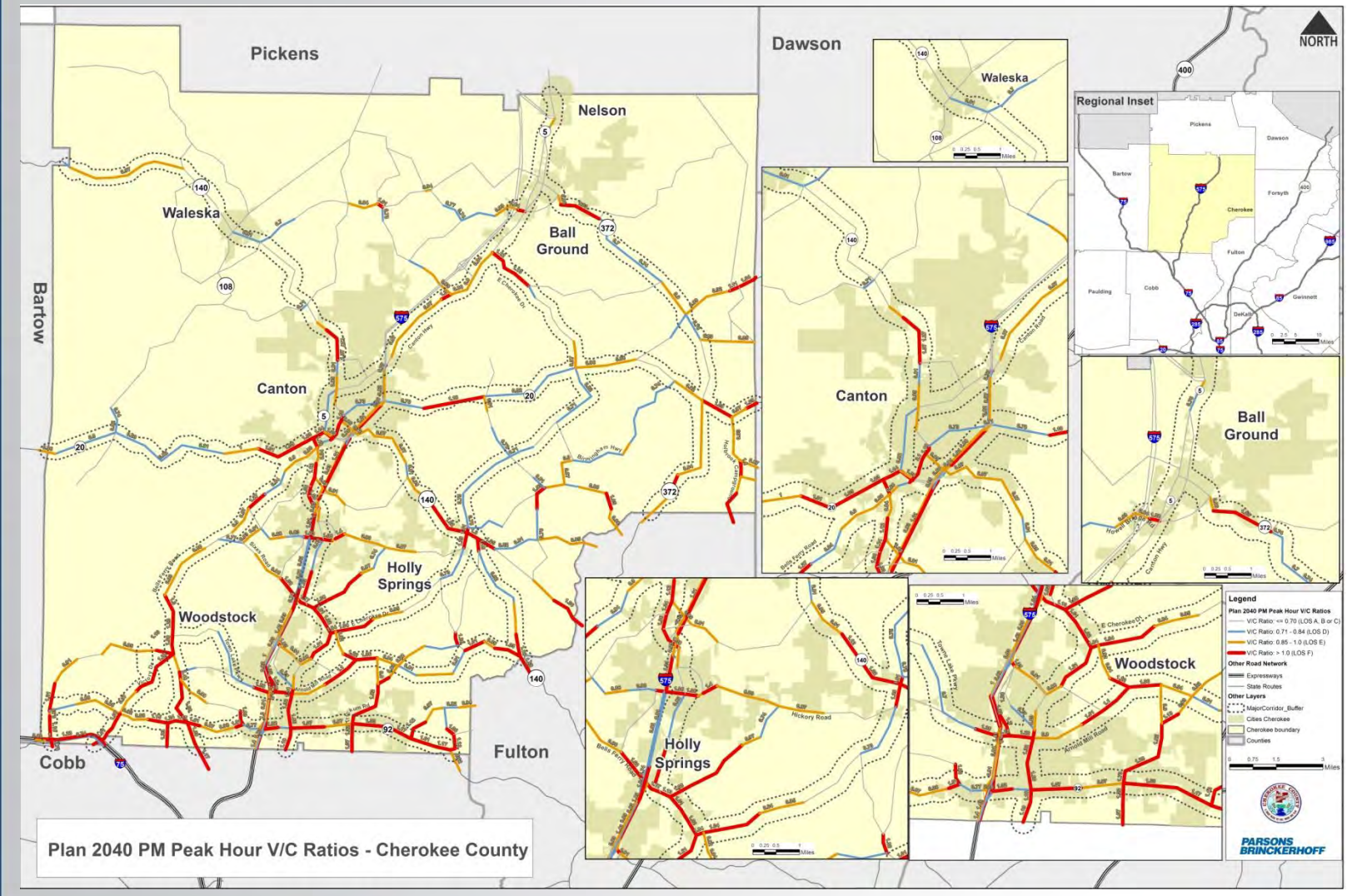
Current Levels of Service



2040 Levels of Service – Existing plus Committed System



2040 Levels of Service – Plan 2040 System



Types of Solutions

- Capacity Improvements
  - Roadway construction
  - Roadway widening
- Operational improvements
  - Signal timing and signage
  - Geometric improvements
  - Traffic calming
  - Roadway geometrics
  - Traffic signal interconnection
- Intersection Improvements
  - Turn lanes
  - Signalization
  - Roundabouts

Project Prioritization/Selection

- Furthers plan Goals and Objectives
- Provides access to jobs/supports future economic activity
- Addresses an immediate need
- Compatible with existing infrastructure, plans and programs
- Addresses safety issues
- Connectivity vs. Circulation
- Continuation of an existing project or coordination with a committed project

Goals and Objectives

Goal – Ensure Public Safety

How?

Evaluate and improve high crash roadways and intersections
Maintain county average bridge rating
Railroad crossing safety
Safe Bicycle and pedestrian environment

Goals and Objectives

Goal – Increase Accessibility and Connectivity

How?

Address connection gaps between population, employment and destinations

Develop a system of collectors roadways interconnecting subdivisions and activity centers

Improve frequency and coverage of transit service

Goals and Objectives

Goal – Improve mobility and transportation efficiency

How?

Reduce Vehicle Miles and Hours of Travel (VMT and VMT)
Improve peak period average travel speeds by classification
Reduce miles of congested roadway (LOS E or F)
Focus improvements in developed or developing areas
Encourage transit use

Goals and Objectives

Goal – Support multiple modes of transportation

How?

Expand transit and highway connectivity to existing and planned park and ride facilities

Expand and enhance transit service

Increase bicycle and pedestrian activity

Goals and Objectives

Goal – Identify and enhance key freight routes in the County

How?

Enhance “through” freight movement

Identify and develop “first and last mile” freight connectivity

Coordinate transportation infrastructure with economic development

Goals and Objectives

Goal – Enhance quality of life and community health

How?

Increase recreational accessibility and opportunities
Reduce transportation related air quality impacts
Construct new facilities consistent with the principles of Context Sensitive Design principles

Goals and Objectives

Goal – Minimize transportation environmental impacts

How?

Minimize transportation impacts on natural and historic features
Emphasize carbon neutral transportation solutions and strategies
Reduce wildlife habitat fragmentation
Minimize regulated stream crossings

Goals and Objectives

Goal – Preserve existing transportation facilities

How?

Reduce the proportion of the roadway system (state, county and city) with substandard pavement

Integrate planned development with functional classification and design standards of county roadway system

Goals and Objectives

Goal – Engage in effective public engagement strategies

How?

Increase participation in transportation decision making

Use various media and methods to educate the public on transportation issues and strategies

Plan Performance Measures

- Assess how well the plan meets the goals and objectives
- Some measures will be quantitative, some qualitative
- Some measures will be established and assessed in subsequent plan updates
- Key system measures
  - Vehicle Miles and Hours Traveled (VHT and VMT)
  - Overall Congestion (LOS and V/C)
  - Vehicle crash rate
  - Comparative to county growth

Next Steps

- Public Meeting – March 24 and 26
  - Transportation needs assessment
- Develop Project Recommendations
  - How do we do it?
- Public Meeting – late June 2015
  - Transportation Recommendations
- Draft Final Documentation

- Next Meeting: May/June 2015

Questions?

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