



NORTH CAROLINA
Department of Transportation



Craven County Comprehensive Transportation Plan (CTP)

Catherine Bryant, PE
NCDOT – Transportation Planning Division (TPD)

April 11, 2018

Today's Agenda

- Goals and Objectives Survey
 - Final discussion of the long and short form G&O Survey Questions and Distribution
- Socioeconomic Data
 - Base Year 2015 and Future Year 2040 Population and Employment
 - High, Medium, or Low Growth of Population and Employment
- Vision, Goals, and Objectives
 - Discussion

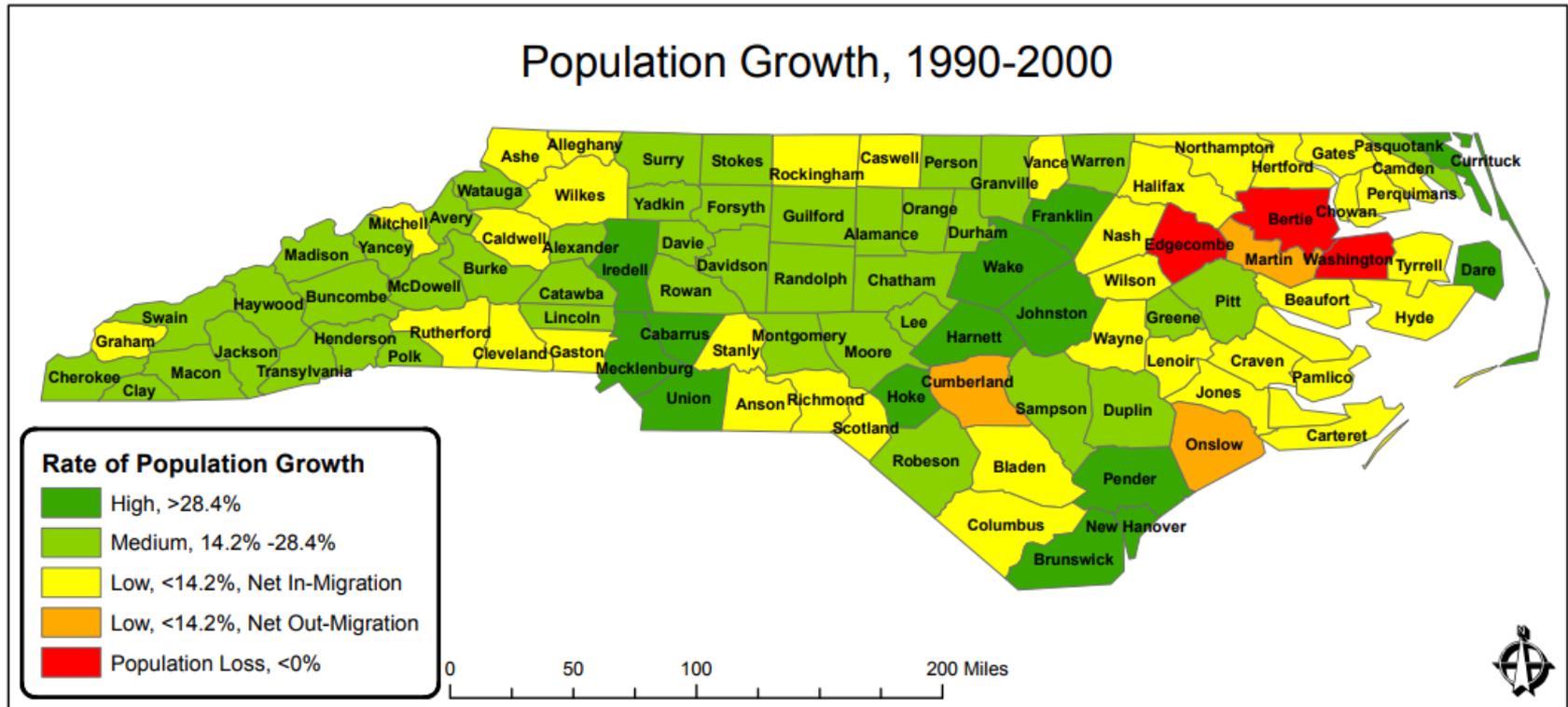
Goals and Objectives Survey

- Discussion
 - **Action: Final discussion of the long and short form G&O Survey Questions and Distribution**

Base Year 2015 and Future Year 2040 Population

- State of NC OSBM Population Projections
 - OSBM Updated their population projections in September 2017
 - Good News: Overall population projections are not decreasing
 - Bad News: Overall population projections are flat
 - NC OSBM 2016 Population: 103,737
 - NC OSBM 2017 Population Projection: 103,735

State of NC Growth Maps by County

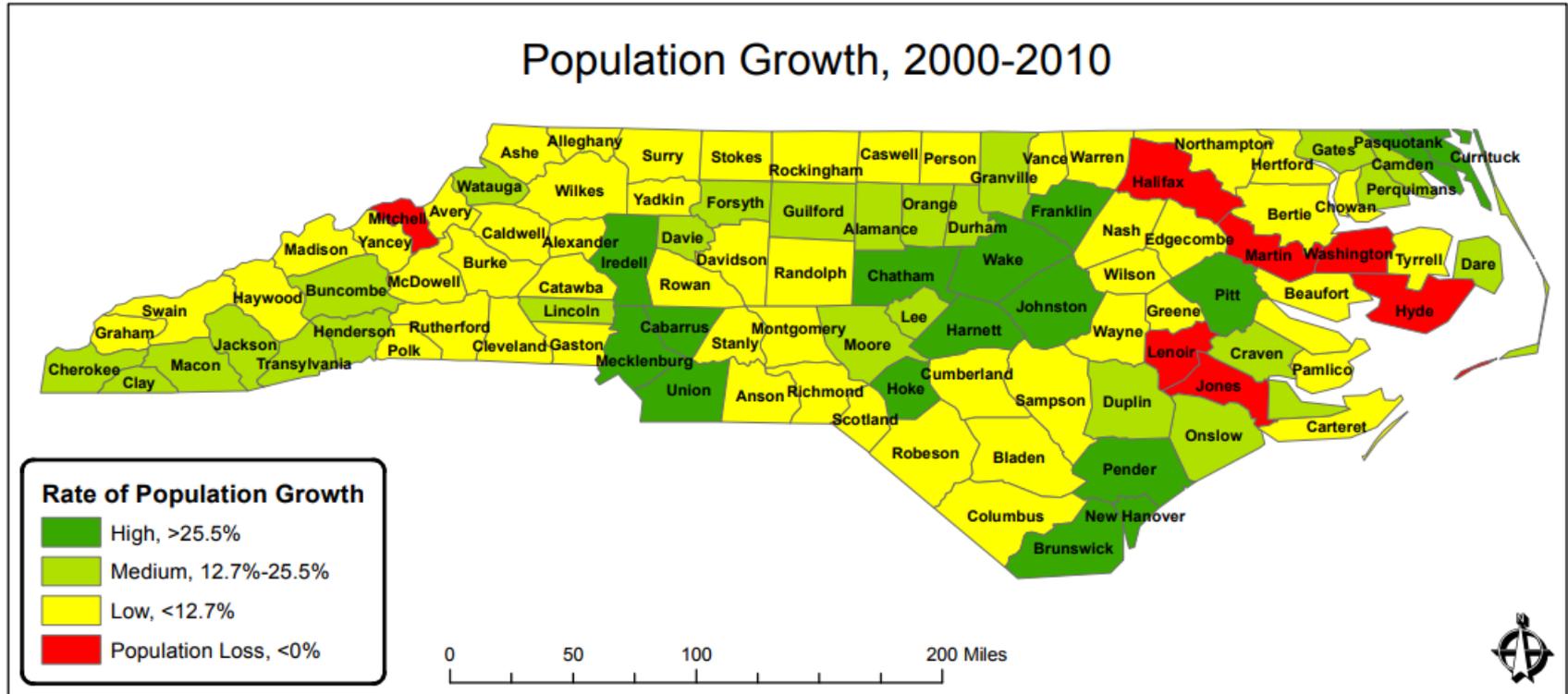


Source: North Carolina Office of State Budget and Management (OSBM)

<http://www.osbm.nc.gov/demog/county-projections>

Accessed On: September 12, 2017

State of NC Growth Maps by County



Source: North Carolina Office of State Budget and Management (OSBM)

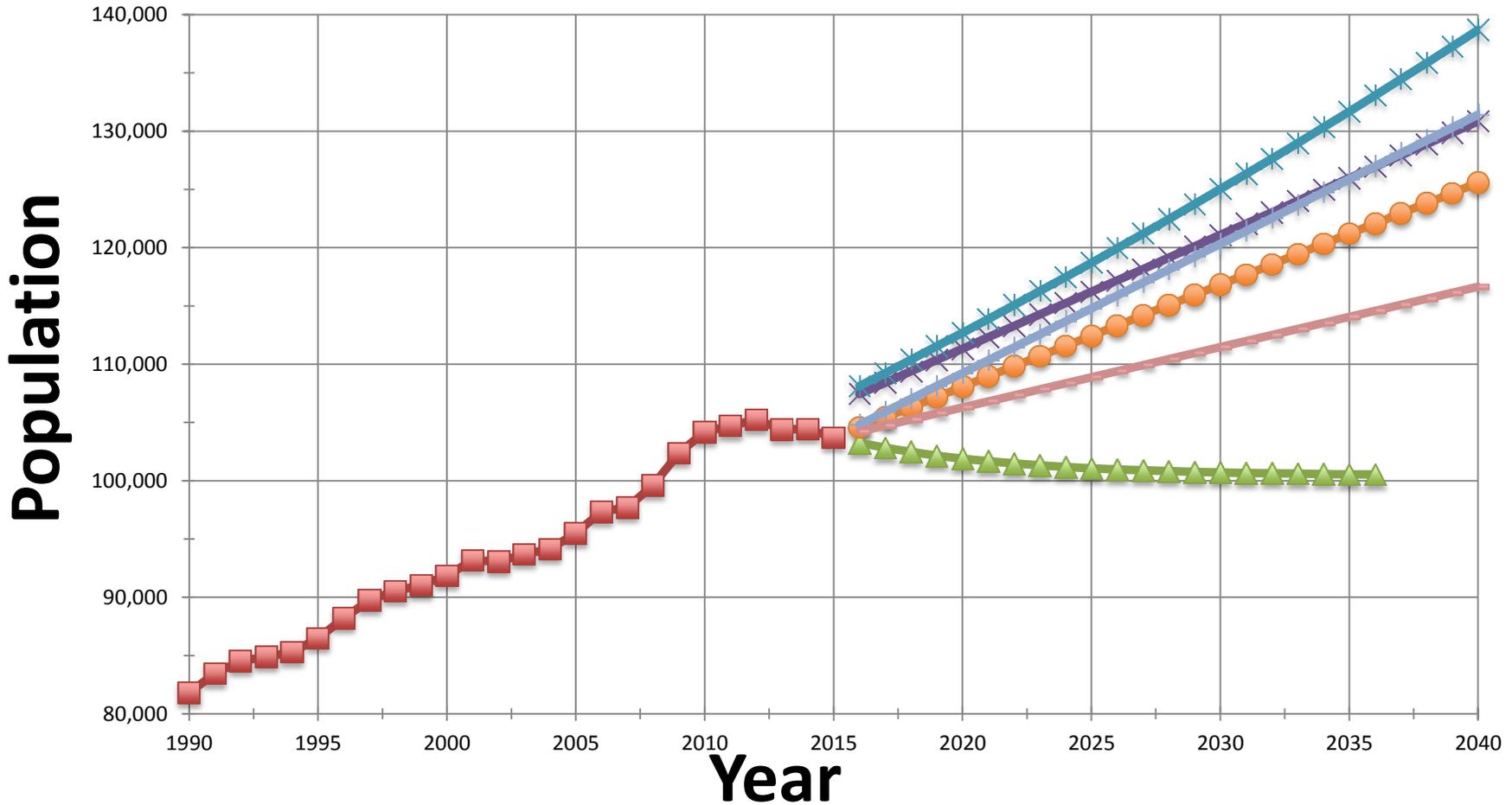
<http://www.osbm.nc.gov/demog/county-projections>

Accessed On: September 12, 2017

Craven County – Projected Growth Comparisons

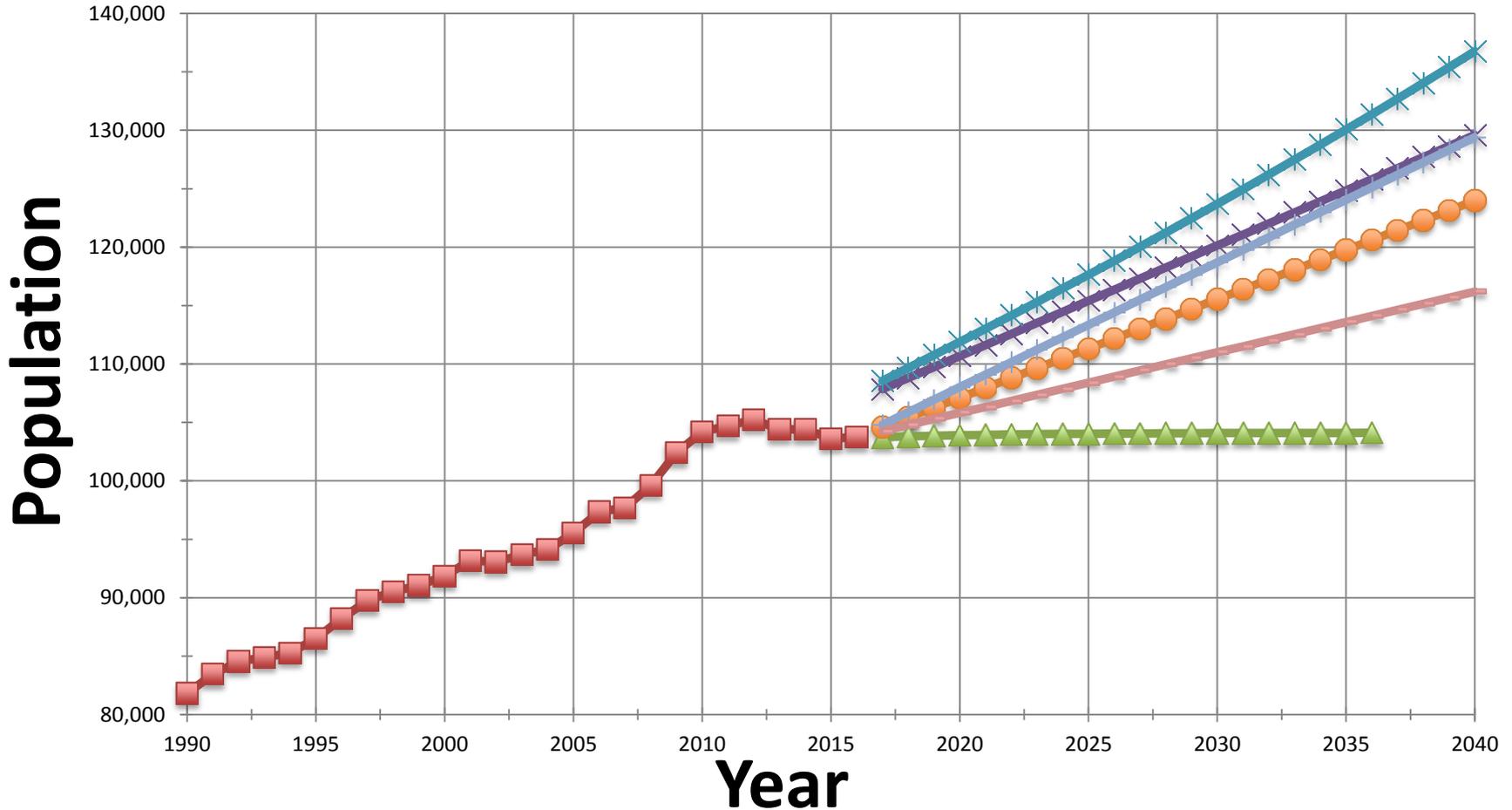
OSBM Projection	NC OSBM Methodology
Linear Regression	Estimates future growth based on historical data (straight line method)
Exponential Regression	Estimates future growth based on historical data (curve of best fit)
Average Annual Increase	Future growth is increased based on the average historical annual growth
Average Annual Rate	Future growth is increased based on the average historic annual growth rate percentage
<i>Annual Linear Growth Rate of 0.5%</i>	<i>Annual growth is increased steadily by 0.5% annually</i>

Craven County – Historical and Forecasted Population (OLD)



■ Historic Population
 ▲ OSBM Projection
 ✕ Linear Regression
 ✱ Exponential Regression
 ● Average Annual Increase
 + Average Annual Rate
 ■ Annual Linear Growth Rate of 0.5%

Craven County – Historical and Forecasted Population (NEW - Updated)



■ Historic Population
 ▲ OSBM Projection
 ✕ Linear Regression
 ✱ Exponential Regression
 ● Average Annual Increase
 + Average Annual Rate
 — Annual Linear Growth Rate of 0.5%

Craven County – Projected 2040 Population Growth

OSBM

	1990	2000	2010	2020	2030	2040 (EST.)
Population	81,812	91,854	104,182	103,899	104,085	104,195
Change in Population	N/A	+10,042	+12,328	-283	+186	+110
Annual Linear Growth Rate %	N/A	+1.09%	+1.18%	-0.03%	+0.02%	+0.01%

Source: North Carolina Office of State Budget and Management (OSBM)

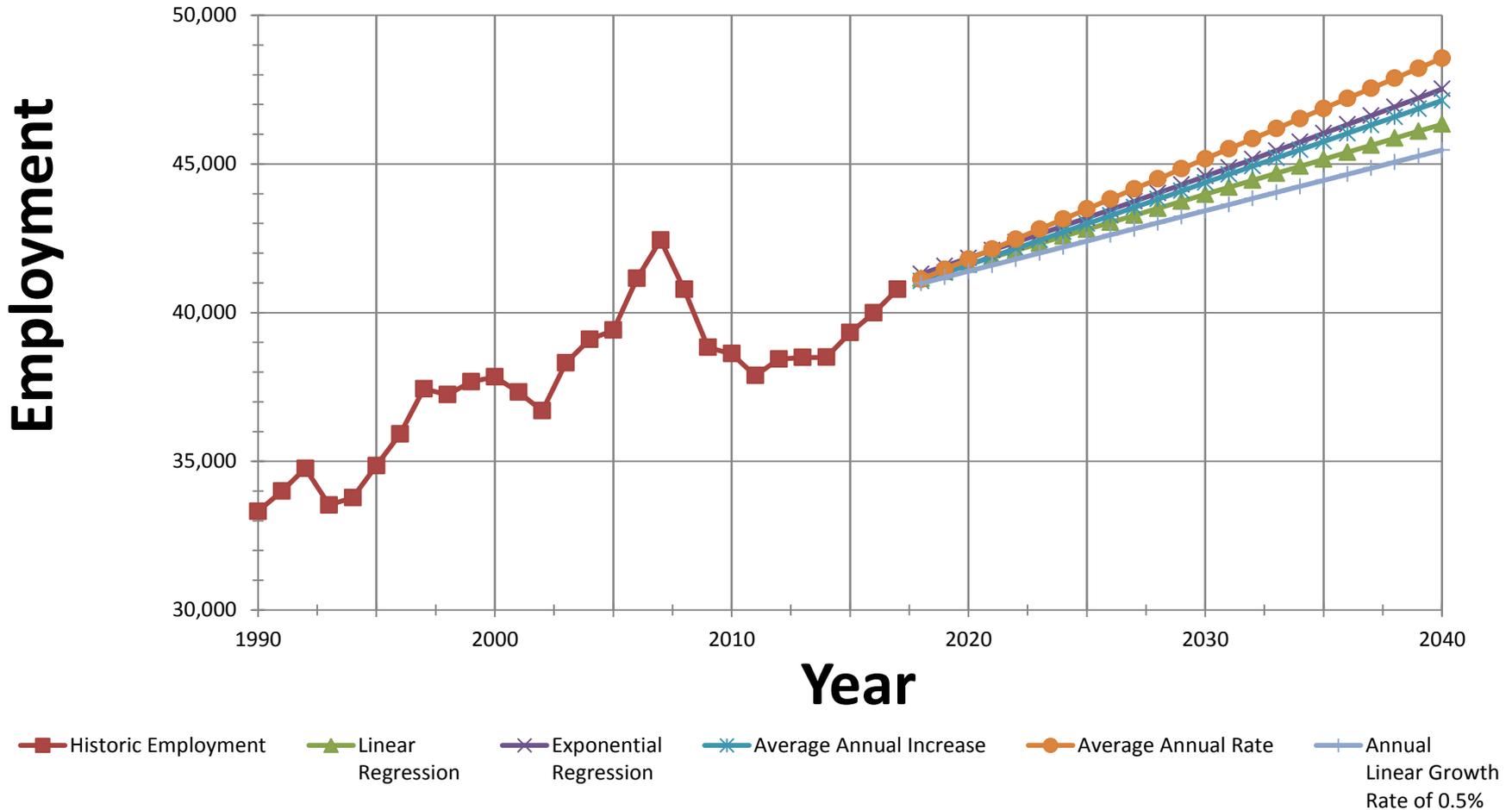
<http://www.osbm.nc.gov/demog/county-projections>

April 6, 2018

Projections

	OSBM Projection	Linear Regression	Exponential Regression	Average Annual Increase	Average Annual Rate	Annual Linear Growth Rate of 0.5%
2010	104,182	104,182	104,182	104,182	104,182	104,182
2020	103,899	110,686	111,881	107,110	108,014	105,812
2030	104,085	120,137	123,700	115,543	118,707	110,999
2040	104,195	129,588	136,768	123,975	129,399	116,185

Craven County - Historical and Forecasted Employment (NEW - Updated)



Craven County – Projected 2040 Employment Growth

OSBM

	1990	2000	2010
Employment	33,319	37,838	38,618
Change in Employment	N/A	+4,519	+780
Annual Linear Growth Rate %	N/A	+1.19%	+0.20%

Source: North Carolina Department of Commerce
<http://www.nccommerce.com/lead/data-tools/employment>

April 6, 2018

Projections

	Linear Regression	Exponential Regression	Average Annual Increase	Average Annual Rate	Annual Linear Growth Rate of 0.5%
2010	38,618	38,618	38,618	38,618	38,618
2020	41,620	41,831	41,607	41,792	41,390
2030	43,978	44,586	44,369	45,173	43,429
2040	46,336	47,522	47,132	48,554	45,467

Craven County Socioeconomic Data

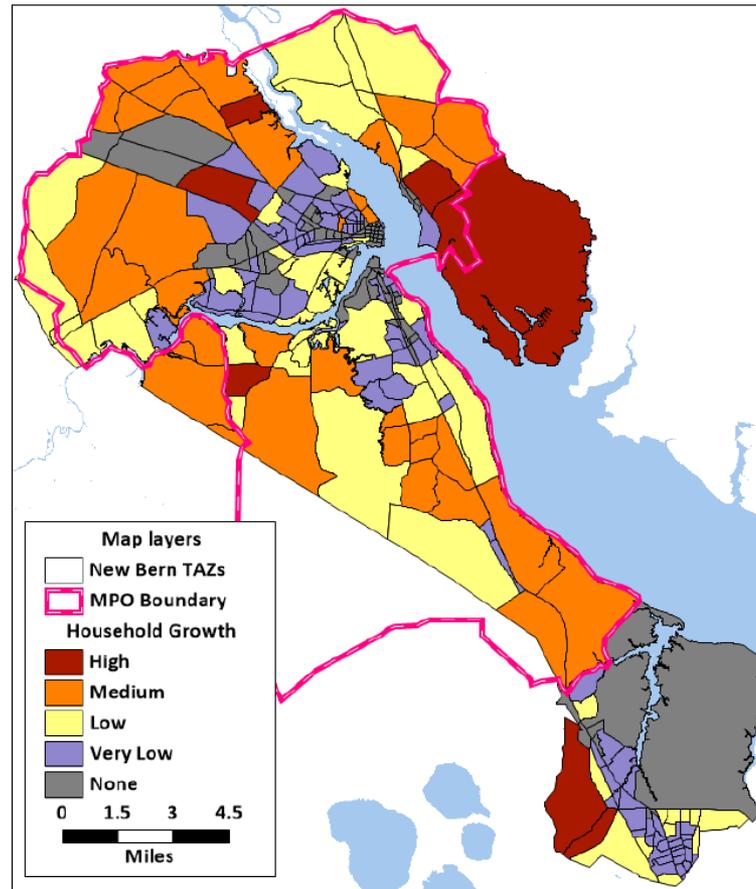
- High, Medium, or Low Growth of Population and Employment
 - County won't grow at the same rate in each area
 - Assigning growth will help in estimating future 2040 traffic data
 - High growth is higher than the county average
 - Medium growth is similar to the county average
 - Low growth is lower than the county average
 - **Action: Discuss growth by TAZ**

New Bern Area MPO MTP

Traffic Analysis Zones (TAZs):

Represent an area, constructed by census block info, and contain similar kinds of land use

Figure 7. Household Growth Ratings by TAZ

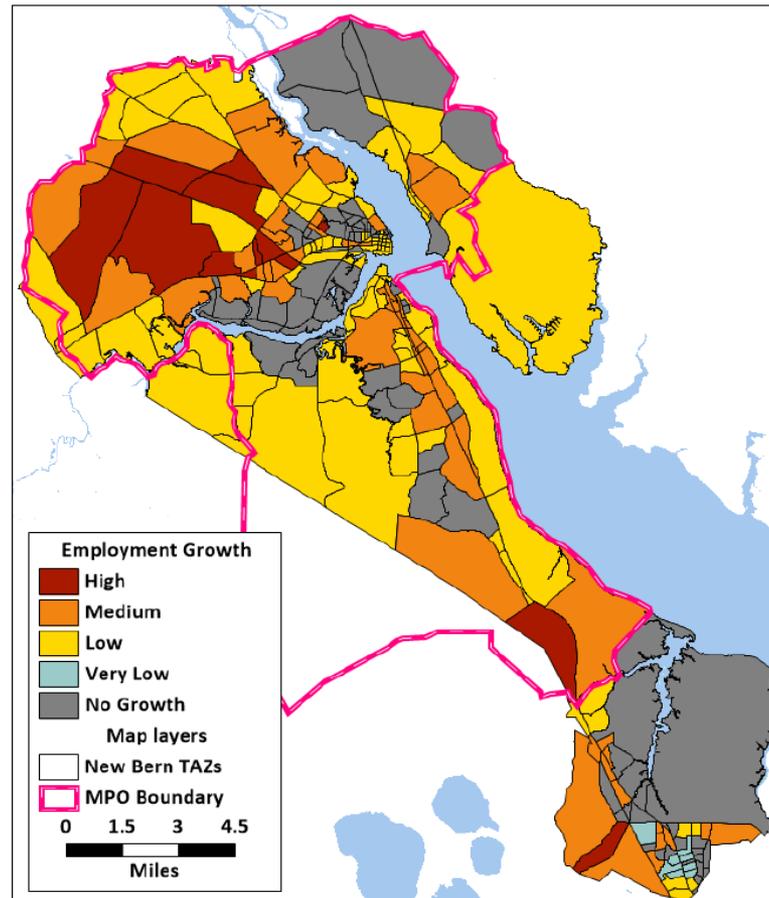


New Bern Area MPO MTP

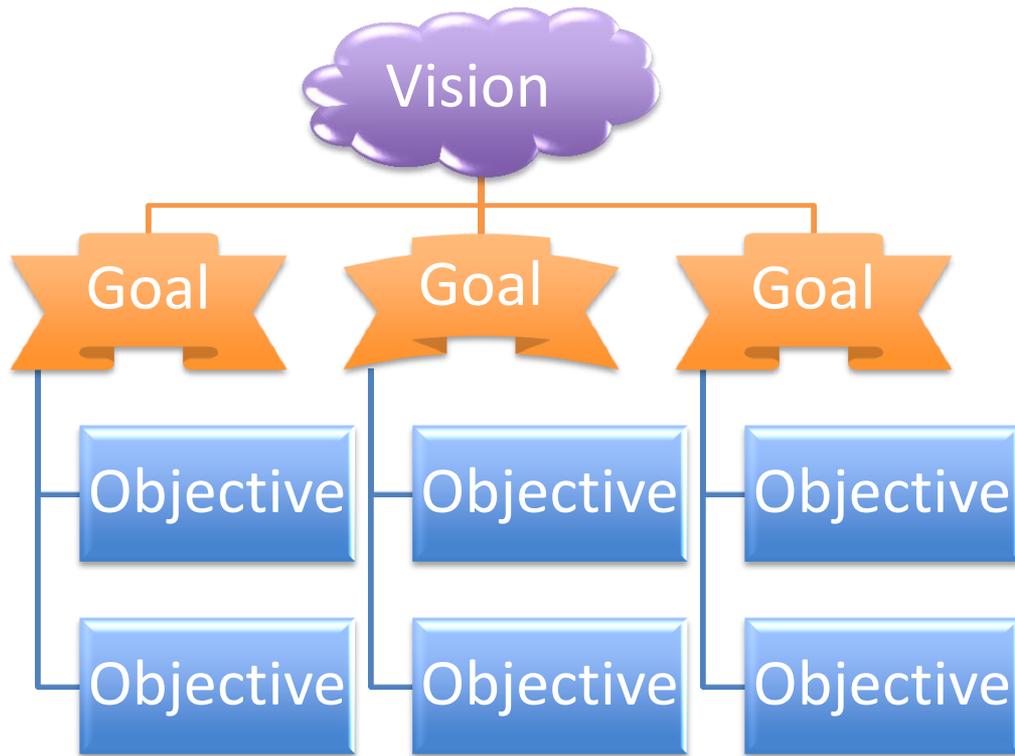
Traffic Analysis Zones (TAZs):

Represent an area, constructed by census block info, and contain similar kinds of land use

Figure 8. Employment Growth Ratings by TAZ



Vision, Goals, and Objectives



Vision Statement: Picture of the county's transportation system in the future

Goals: Shape how a vision will be achieved by listing things to be worked on

Objectives: Specific, measurable steps that can be taken to meet a goal

Vision, Goals, and Objectives

- Goals and Objectives Survey
 - Discussed transportation issues the CTP will focus on
 - Results will help
- Completed transportation plans exist
- NBAMPO Metropolitan Transportation Plan (MTP)
 - **Vision**: “A transportation system that provides increased availability of safe and efficient mode choices for all users, promotes economic development and maintains existing infrastructure.”
- **Action Item: Vision Statement Discussion**
 - **See Handouts with Examples**

Vision, Goals, and Objectives

- 2016 New Bern MPO MTP
 - To achieve the NBAMPO's Vision, the MPO selected the following Goals:

A	Achieve seamless land use and transportation planning connection
B	Enhance public transportation availability within the MPO region
C	Expand network of dedicated bicycle and pedestrian infrastructure
D	Promote efficient vehicle and freight movement to bolster regional economic development
E	Extend the life of transportation infrastructure through preventative maintenance and access management best practices

- **Action Item: Do any goals need to be removed or altered?**
- **Action Item: Are any additional goals needed?**

Next Steps

- Continue CTP Vision, Goals, & Objectives Discussion
- Title VI and VI Maps
- Identification of roads to be studied in CTP (Craven County Basemap)

Contacts

Down East RPO

Patrick Flanagan
Planning Director

pflanagan@eccog.org

(252) 638-3185 ext.3031

NCDOT Highway Division 2

Jeff Cabaniss, PE

Planning Engineer

jcabaniss@ncdot.gov

(252) 439-2800

NCDOT Transportation Planning Division (TPD)

Catherine Bryant, PE
Project Engineer

cbryant6@ncdot.gov

(919) 707-0979

Behshad Norowzi
Coastal Planning Group
Supervisor

bnorowzi@ncdot.gov

(919) 707-0920