

**To:** File

**From:** Parsons Brinckerhoff Team

**Date:** June 16, 2015

**Subject:** Mid-Currituck Bridge Project – 2015 Updated Community Impact Assessment Demographic Data

Parsons Brinckerhoff gathered new demographic data to examine whether changes have occurred in the make-up of the population, housing, and employment, and crime characteristics of Mid-Currituck Bridge project study area. For these purposes, the Demographic Area is the combined area made up of the US Census Block Groups that are intersected by the Preferred Alternative. Some US Census geographies, including some block groups, were altered for the 2010 Decennial Census. For these comparisons, the new data reflects the most similar geography that could be constructed from the new 2010 Census block groups. The block groups included are as shown:

<b>Geography 1990 &amp; 2000</b>	<b>Geography 2010</b>
CT 1103, BG 4	CT 1103.02, BG 2
CT 1104, BG 1	CT 1104.01, BG 1
CT 1104, BG 3	CT 1104.01, BG 2
CT 1104, BG 2	CT 1104.02, BG 1
CT 1104, BG 5	
CT 1104, BG 4	CT 1104.02, BG 2
CT 1101.01, BG 1	CT 1101.01, BG 1
CT 9701, BG 1	CT 9701.01, BG 1
CT 9701, BG 2	CT 9701.01, BG 2
CT 9701, BG 4	CT 9701.02, BG 1
CT 9701, BG 3	CT 9701.02, BG 2

**Population Characteristics – Total and by Race and Hispanic Origin**

**Table 5-1 Updated: 1990, 2000, & 2010 Population by Race and Hispanic Origin**

	Demographic Area			Currituck County			Dare County			North Carolina		
	1990	2000	2010	1990	2000	2010	1990	2000	2010	1990	2000	2010
Total	10,247	13,370	16,152	13,736	18,190	23,547	22,746	29,967	33,920	6,628,637	8,049,313	9,535,483
White	9,417	12,399	14,995	12,051	16,445	21,268	21,766	28,393	31,313	5,008,491	5,804,656	6,528,950
Black	713	679	646	1,545	1,318	1,361	811	797	834	1,456,323	1,737,545	2,048,628
American Indian	44	66	51	66	83	107	37	83	125	80,155	99,551	122,110
Asian*	62	46	87	51	77	148	79	124	212	52,166	117,672	208,962
Native Hawaiian/Pacific Islander*	-	-	4	-	-	11	-	-	13	-	-	6,604
Other	11	153	141	23	267	223	53	570	810	31,502	289,889	414,030
Two or More Races**	-	-	230	-	-	429	-	-	613	-	-	206,199
Total Minority	885	1,044	929	1,771	1,903	1,850	1,120	1,939	1,994	1,657,510	2,402,158	2,800,334
Hispanic White	55	100	251	86	158	392	140	365	1,252	37,364	157,501	304,955
Hispanic Black	0	1	13	3	4	13	4	4	22	7,181	14,244	28,774
Hispanic American Indian	0	10	2	1	9	4	0	7	24	1,225	4,218	13,281
Hispanic Asian*	0	2	1	0	3	7	3	3	1	1,573	2,091	2,383
Hispanic Native Hawaiian/Pacific Islander*	-	-	0	-	-	1	-	-	3	-	-	1,345
Hispanic Other	11	70	130	20	87	207	52	287	796	29,383	200,909	398,942
Hispanic Two or More Races**	-	-	29	-	-	80	-	-	112	-	-	50,440
Total Hispanic	66	183	426	110	261	624	199	666	2,210	76,726	378,963	800,120

Source: Decennial Census, 1990, 2000, 2010. Decennial Census 2010 SF 1 Table P5

**Table 5-2 Updated: 1990, 2000, & 2010 Percent of Total Population by Race and Hispanic Origin**

	Demographic Area			Currituck County			Dare County			North Carolina		
	1990	2000	2010	1990	2000	2010	1990	2000	2010	1990	2000	2010
White	92%	93%	93%	88%	90%	90%	96%	95%	92%	76%	72%	68%
Black	7%	5%	4%	11%	7%	6%	4%	3%	2%	22%	22%	21%
American Indian	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%
Asian*	1%	0%	1%	0%	0%	1%	0%	0%	1%	1%	1%	2%
Native Hawaiian/Pacific Islander*	-	-	0%	-	-	0%	-	-	0%	-	-	0%
Other	0%	1%	1%	0%	1%	1%	0%	2%	2%	0%	4%	4%
Two or More Races**	-	-	1%	-	-	2%	-	-	2%	-	-	2%
Total Minority	9%	8%	6%	13%	10%	8%	5%	6%	6%	25%	30%	29%
Hispanic White	1%	1%	2%	1%	1%	2%	1%	1%	4%	1%	2%	3%
Hispanic Black	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Hispanic American Indian	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Hispanic Asian*	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Hispanic Native Hawaiian/Pacific Islander*	-	-	0%	-	-	0%	-	-	0%	-	-	0%
Hispanic Other	0%	1%	1%	0%	0%	1%	0%	1%	2%	0%	2%	4%
Hispanic Two or More Races**	-	-	0%	-	-	0%	-	-	0%	-	-	1%
Total Hispanic	1%	1%	3%	1%	1%	3%	1%	2%	7%	1%	5%	8%

\*In the 2010 Census, Asian/Pacific Islander was separated into Asian and Native Hawaiian/Pacific Islander

\*\*Prior to the 2010 Census, it was not an option to mark more than one race on the Census form.

**2000 Data Interpretation (2011 CIA):**

- The minority population in the Demographic Area was similar (within 3 percentage points) of each of the counties, but was lower than the State’s minority population.
- The total Hispanic population doubled between 1990 and 2000. The percent Hispanic for the Demographic Area was similar to that of each of the counties, but was lower than the State’s minority population.

**2010 Data Interpretation:**

- There is no notable change in the racial and ethnic make-up of the Demographic Area. The minority population of the Demographic Area (6 percent) is still within a couple percentage points of Currituck (8 percent) and Dare Counties (6 percent), and is lower than the State’s minority population (29 percent). The Hispanic population in the Demographic Area did increase by 2 percent between 2000 and 2010, which is the same rate of growth that Currituck County experienced during this time, but lower than the rate of increase for Dare County (6 percent increase) and that of the State (3 percent increase).

**Population Characteristics – Total and by Age**

**Table 5-3 Updated: 1990, 2000, & 2010 Population by Age**

	Demographic Area			Currituck County			Dare County			North Carolina		
	1990	2000	2010	1990	2000	2010	1990	2000	2010	1990	2000	2010
Total Population	10,247	13,370	15,918	13,736	18,190	23,547	22,746	29,967	33,920	6,628,637	8,049,313	9,535,483
0 to 18*	2,411	3,122	3,480	3,691	4,826	6,111	5,306	6,712	7,381	1,710,196	2,073,849	2,558,680
19 to 64*	6,226	8,586	9,486	8,336	11,178	14,395	14,599	19,131	21,897	4,114,100	5,006,416	5,742,724
65 or Above	1,610	2,310	2,952	1,709	2,186	3,041	2,841	4,124	5,167	804,341	969,048	1,234,079

Source: Decennial Census, 1990, 2000, 2010. Decennial Census 2010 SF 1 Table P12

\*The age data available from the 2010 Census combines 18 and 19 years of age, so the categories for 2010 are actually 0-17, 18-64, and 65+.

**Table 5-4 Updated: 1990, 2000, & 2010 Growth in Population by Age**

	Demographic Area		Currituck County		Dare County		North Carolina	
	% Change	% Change	% Change	% Change	% Change	% Change	% Change	
	1990 to 2000	2000 to 2010	1990 to 2000	2000 to 2010	1990 to 2000	2000 to 2010	1990 to 2000	2000 to 2010
Total Population	30.5%	19.1%	32.4%	29.5%	31.7%	13.2%	21.4%	18.5%
0 to 18*	29.5%	11.5%	30.8%	26.6%	26.5%	10.0%	21.3%	23.4%
19 to 64*	37.9%	10.5%	34.1%	28.8%	31.0%	14.5%	21.7%	14.7%
65 or Above	43.5%	27.8%	27.9%	39.1%	45.2%	25.3%	20.5%	27.3%

**2000 Data Interpretation (2011 CIA):**

- In 2000, the Demographic Area had a higher percentage of elderly residents (age 65 and up) than counties or the State.
- Between 1990 and 2000, there was a slight increase in the percentage of the population in the Demographic Area that was elderly.

**2010 Data Interpretation:**

- The Demographic Area continues to have a higher percentage of elderly population than Currituck County, Dare County, and the State (19 percent versus 13 percent, 15 percent, and 13 percent, respectively).
- The percentage of the elderly population in the Demographic Area continued to increase slightly between the 2000 and 2010 Censuses (from 17 percent in 2000 to 19 percent in 2010).

**Income Characteristics**

**Table 5-5 Updated: 1990, 2000, & 2010 Income Measures and Persons Living Below Poverty Level**

	Demographic Area			Currituck County			Dare County			North Carolina		
	1990	2000	2010*	1990	2000	2010*	1990	2000	2010*	1990	2000	2010*
Median Household Income	\$30,647	\$45,201	\$57,681	\$27,905	\$40,822	\$57,159	\$29,322	\$42,411	\$55,481	\$26,647	\$39,184	\$46,334
Persons Living Below Poverty Level	843	1,248	1,245	1,353	1,922	2,311	1,861	2,381	2,980	829,858	958,667	1,643,389
Persons Living Below Poverty Level as a Percent of Total Population	8.2%	9.3%	7.7%	9.9%	10.6%	9.8%	8.2%	7.9%	8.8%	12.5%	11.9%	17.5%

Source: Decennial Census, 1990, 2000. American Community Survey 5-year 2013 Estimates. 2010. Table B19013 and C17002.  
\*2010 represents the American Community Survey 5-year 2013 estimate data, which aggregates data gathered over five years (2009-2013). As of the 2010 Decennial Census, the long-form Decennial Census was replaced by the American Community Survey.

**2000 Data Interpretation (2011 CIA):**

- The Demographic Area had a higher median income in 2000 than Currituck County, Dare County, and the State.
- The block groups on the Outer Banks portion of the Demographic Area had a much higher median income than the counties and the State, and that the block groups on the mainland part of the Demographic Area had the lowest median income when compared to the counties and the State.
- The Demographic Area had a lower percentage of people living under the poverty level and a lower unemployment rate than the counties or the State. Between 1990 and 2000, the poverty level rose slightly within the Demographic Area.

**2010 Data Interpretation:**

- As of the 2013 American Community Survey 5-Year Estimates (referred to as 2010 data), the median household income of the Demographic Area remained higher than that of the counties or the State, with the median household income of the block groups on the Outer Banks portion of the Demographic Area notably higher than the other areas (\$67,186). The median household income on the mainland portion of the Demographic Area (\$48,176) is still lower than that of Currituck and Dare Counties, but it is now higher than the statewide median household income (\$46,334).

- The percent of people in the Demographic Area living below the poverty level actually decreased 1.6 percent to below the 1990 level.

**English Language Proficiency Characteristics**

Geography	Total Adult Population, 18 years and older	Primary Language Group of Persons Who Speak English Less than Very Well								Total That Speak English Less Than Very Well	
		Spanish		Other Indo-Euro		Asian/Pacific		Other		#	%
		#	%	#	%	#	%	#	%		
Currituck County											
• BG 2, CT 1101.01 <sup>1</sup>	351	18	5.1%	0	0.0%	0	0.0%	0	0.0%	18	5.1%
• BG 2, CT 1104.01 <sup>2</sup>	1,262	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
• BG 1, CT 1104.02	2,129	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
• BG 1, CT 1104.01	1,167	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
• BG 2, CT 1103.02	1,205	82	6.8%	0	0.0%	0	0.0%	0	0.0%	82	6.8%
• BG 2, CT 1104.02	1,232	62	5.0%	0	0.0%	0	0.0%	0	0.0%	62	5.0%
Dare County											
• BG 2, CT 9701.02	1,468	0	0.0%	0	0.0%	7	0.5%	0	0.0%	7	0.5%
• BG 1, CT 9701.02	1,074	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
• BG 2, CT 9701.01 <sup>3</sup>	2,172	17	0.8%	0	0.0%	0	0.0%	0	0.0%	17	0.8%
• BG 1, CT 9701.01	928	15	1.6%	0	0.0%	0	0.0%	0	0.0%	15	1.6%
<b>Total Demographic Area</b>	<b>12,988</b>	<b>194</b>	<b>1.5%</b>	<b>0</b>	<b>0.0%</b>	<b>7</b>	<b>0.1%</b>	<b>0</b>	<b>0.0%</b>	<b>201</b>	<b>1.5%</b>
<b>Currituck County</b>	<b>7,346</b>	<b>162</b>	<b>2.2%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>162</b>	<b>2.2%</b>
<b>Dare County</b>	<b>5,642</b>	<b>32</b>	<b>0.6%</b>	<b>0</b>	<b>0.0%</b>	<b>7</b>	<b>0.1%</b>	<b>0</b>	<b>0.0%</b>	<b>39</b>	<b>0.7%</b>

<sup>1</sup> Currituck County Outer Banks, including Preferred Alternative impact area

<sup>2</sup> Includes the mainland portion of the Preferred Alternative Impact area

<sup>3</sup> Includes third-outbound lane impact area of the Preferred Alternative

Source: US Census Bureau, American Community Survey 5-year Estimates (2008-2012), Table B16004, "Age by Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over."

**2000 Data Interpretation (2011 CIA):**

The census data indicate there are no language groups within the demographic area in which more than 5 percent of the adult population or 1,000 persons speak English less than "Very Well." Therefore, the demographic assessment does not indicate the presence of LEP language groups that exceed the Department of Justice's Safe Harbor threshold.

**2010 Data Interpretation:**

In Currituck County, the 2013 ACS 5-Year data show that 4.0 percent (913 persons) of the population over the age of 5 that speaks a language other than English speaks English "Less than Very Well." In Dare County, this percentage is 7.5 (2,439 persons), and in the State, it is 10.9 (985,646 persons). This represents a large increase over what was reported in the 2009 CIA. Thirty-five of the 913 (4 percent) are in census tracts that contain a portion of the Preferred Alternative (18 on the Currituck County Outer Banks and 17 in Southern Shores/Duck). In light of this data, the re-evaluation will investigate further whether the residents within the project area qualify

as a Limited English Proficiency (LEP) population, and/or whether the population requires Language Assistance (LA) services.

## **Housing and Households Characteristics**

**Table 5-6 Updated: 1990, 2000, & 2010 Housing Units**

	Total Housing Units			% Change 1990-2000	% Change 2000-2010	Vacant Units for Rent			% Change 1990-2000	% Change 2000-2010	Units for Seasonal, Recreational, or Occasional Use			% Change 1990-2000	% Change 2000-2010
	1990	2000	2010			1990	2000	2010			1990	2000	2010		
Dare	21,567	26,671	33,492	24%	26%	3,726	277	3,433	-93%	1139%	6,415	13,355	14,742	108%	10%
Currituck	7,367	10,687	14,453	45%	35%	849	96	251	-89%	161%	1,096	3,297	4,591	201%	39%
Total	28,934	37,358	47,945	29%	28%	4,575	373	3,684	-92%	888%	7,511	16,652	19,333	122%	16%

Source: Decennial Census, 1990, 2000, 2010. Decennial Census 2010 SF 1 Table H1.

**Table 5-7 Updated: 2010 Housing Characteristics**

	Demographic Area		Currituck County		Dare County		North Carolina	
	Number	%	Number	%	Number	%	Number	%
Median Home Value	\$313,040	-	\$223,800	-	\$ 293,900	-	\$ 153,600	-
Home Ownership Rate	12,084	76.6%	18,825	80.4%	23,361	69.2%	6,290,286	67.8%
Rental Rate	3,699	23.4%	4,587	19.6%	10,407	30.8%	2,987,951	32.2%
Median Year Built	1989	-	1992	-	1987	-	1985	-
Occupancy Rate	6,557	43.4%	8,880	61.4%	14,335	42.8%	3,745,155	86.5%

Source: Decennial Census, 1990, 2000. Decennial Census 2010 SF 1 Table H3 and H1. American Community Survey 5-year 2013 Estimates. Tables B25077 and B25035.

**Table 5-8 Updated: 1990, 2000, & 2010 Households and Household Growth**

	Demographic Area	Currituck County	Dare County	North Carolina
1990 Households	3,608	5,038	9,349	2,517,026
2000 Households	5,766	6,902	12,690	3,132,013
2010 Households	6,788	9,121	14,624	3,715,565
Change (1990-2000)	2,158	1,864	3,341	614,987
% Change (1990-2000)	59.8%	37.0%	35.7%	24.4%
Change (2000-2010)	1,022	2,219	1,934	583,552
% Change (2000-2010)	17.7%	32.2%	15.2%	18.6%

Source: Decennial Census, 1990, 2000. American Community Survey 5-year 2013 Estimates. Table B11001.

**2000 Data Interpretation (2011 CIA):**

- The median home value in the Outer Banks portion of the Demographic Area was substantially higher than the other areas analyzed in Currituck County.
- The median home value for Dare County was well above the state average, and for Currituck County, the median home value was slightly above the state average.
- The home ownership rate was highest on the Outer Banks portion of the Demographic Area and lower on the mainland portion of the Demographic Area.
- Occupancy rates were notably lower for the Demographic Area and Dare County than for the rest of the state and Currituck County.

**2010 Data Interpretation:**

- The median home value of the Demographic Area remained higher than that of the counties or the State, with the median home value of the block groups on the Outer Banks portion of the Demographic Area notably higher than the other areas (\$412,560). The median home value on the mainland portion of the Demographic Area (\$213,520) is still lower than that of Currituck and Dare Counties, but it continues to be higher than the statewide median home value (\$153,600).
- The home ownership rate went down between 2000 and 2010 in all of the areas studied, in the Demographic Area by 3.5 percent, in Currituck County by 1.6 percent, in Dare County by 5.5 percent, and in the State by 1.4 percent.
- The occupancy rate increased in the Demographic Area by 0.6 percent. However, in Currituck County the occupancy rate dropped by 3.2 percent and in Dare County the occupancy rate dropped by 4.8 percent. Statewide, the occupancy rate dropped by 2.4 percent.
- The number of households in all the areas studied increased between 2000 and 2010, but at a slower rate than between 1990 and 2000. The Demographic Area increased at a rate of 17.7 percent between 2000 and 2010, compared to 59.8% between 1990 and 2000.

**Employment Characteristics**

**Table 5-8 Updated: 1990, 2000, & 2010 Employment**

	Demographic Area			Currituck County			Dare County			North Carolina		
	1990	2000	2010	1990	2000	2010	1990	2000	2010	1990	2000	2010
Total Population	10,247	13,370	13,413	13,736	18,190	19,022	22,746	29,967	28,181	6,628,637	8,049,313	7,622,230
Number in Labor Force	5,067	7,098	9,068	6,862	9,065	12,620	12,879	16,601	20,168	3,519,927	4,130,579	4,850,140
In Armed Forces	22	19	35	161	208	232	107	97	36	118,432	90,847	87,733
Civilian	5,045	7,079	9,033	6,701	8,857	12,388	12,772	16,504	20,132	3,401,495	4,039,732	4,762,407
Number Employed	4,786	6,781	8,241	6,357	8,528	11,224	12,199	15,696	18,629	3,238,414	3,824,741	4,234,977
Number Unemployed	259	298	792	344	329	1,164	573	808	1,503	163,081	214,991	527,430
Percent Unemployment	5.1%	4.2%	8.8%	5.1%	3.7%	9.4%	4.5%	4.9%	7.5%	4.8%	5.3%	11.1%

Source: Decennial Census, 1990, 2000. American Community Survey 5-year 2013 Estimates. Table B23025.

**Table 5-10 Updated. Employment by Sector 2010\***

	Currituck County		Dare County		North Carolina	
	2010*	Percent of Total	2010*	Percent of Total	2010*	Percent of Total
Civilian employed population 16 years and over	11,224	100%	18,629	100%	4,234,977	100%
Agriculture, forestry, fishing and hunting, and mining	84	1%	444	2%	59,972	1%
Construction	1,512	13%	1,743	9%	289,134	7%
Manufacturing	893	8%	824	4%	534,771	13%
Wholesale trade	137	1%	346	2%	118,502	3%
Retail trade	1,751	16%	2,331	13%	496,393	12%
Transportation and warehousing, and utilities	504	4%	580	3%	181,983	4%
Information	141	1%	367	2%	75,610	2%
Finance and insurance, and real estate and rental and leasing	880	8%	2,062	11%	266,775	6%
Professional, scientific, and management, and administrative and waste management services	957	9%	1,639	9%	419,682	10%
Educational services, and health care and social assistance	1,753	16%	2,528	14%	1,000,543	24%
Arts, entertainment, and recreation, and accommodation and food services	931	8%	3,525	19%	388,561	9%
Other services, except public administration	770	7%	1,066	6%	210,378	5%
Public administration	911	8%	1,174	6%	192,673	5%

\*2010 represents the American Community Survey 5-year 2013 estimate data, which aggregates data gathered over five years (2009-2013). As of the 2010 Decennial Census, the long-form Decennial Census was replaced by the American Community Survey.

**2000 Data Interpretation (2011 CIA):**

- Employment rates were similar between the Demographic Area, Dare and Currituck Counties, and the State.
- The composition of jobs by sector in Currituck and Dare Counties was different than that of the State as a whole, with more jobs in trade (retail and wholesale trade) and less in manufacturing.

**2010 Data Interpretation:**

- The unemployment rate more than doubled between 2000 and 2010 in the Demographic Area. Currituck and Dare Counties and also the State of North Carolina experienced a similar increase in unemployment during this time, which is not surprising, given the economic downturn that occurred starting in December 2007 and lasted until June 2009. As of this memorandum, the latest published unemployment rates are: Currituck County: 5.5 percent, Dare County: 8.8 percent, North Carolina: 5.5 percent (US Bureau of Labor Statistics, December 2015 [preliminary]).
- Although the industry classifications are somewhat different between Table 5-10 in the Community Impact Assessment and the American Community Survey, the updated employment sector table shows that Currituck and Dare County both have higher shares of retail employment, service employment, and real estate rental and leasing employment, which is to be expected in these coastal areas. Manufacturing employment in Dare and Currituck Counties remains low in comparison with the State as a whole.

**Crime and Safety****Table 5-12 Updated: Crime Rates per 100,000 Population**

Year	Currituck County	Dare County	North Carolina
1993	3,337	9,385	5,792
1997	4,056	6,786	5,591
2002	3,047	6,703	4,771
2007	2,453	4,687	4,659
2012	2,449	5,606	3,767

Source: North Carolina Department of Justice. State Bureau of Investigations. Crime in North Carolina - 2012 Annual Summary Report of 2012 Uniform Crime Reporting Data. September 2013.

**2000 Data Interpretation (2011 CIA):**

- Crime rates in Currituck and Dare Counties and the State had experienced near-yearly decreases between 1993 and 2007.

**2010 Data Interpretation:**

- Between 2007 (the last year of data collected for the FEIS) and 2012, crime rates dropped in Currituck County by 0.15 percent and statewide by 19.15 percent. In Dare County, the crime rate rose by 19.6 percent between 2007 and 2012. However, the 2012 Dare County crime rate actually represents about a 15 percent drop from a peak rate of approximately 6,700 crimes per 100,000 persons in 2011.