

# North Carolina Pupil Transportation Service Indicators Report

2010-2011





#### PUBLIC SCHOOLS OF NORTH CAROLINA

STATE BOARD OF EDUCATION William C. Harrison, Ed.D., Chairman and Chief Executive Officer DEPARTMENT OF PUBLIC INSTRUCTION June St. Clair Atkinson, Ed.D., State Superintendent WWW.NCPUBLICSCHOOLS.ORG

#### June 13, 2011

North Carolina pupil transportation professionals respond daily to a large variety of circumstances and challenges as they provide an essential service to nearly 800,000 students. Some districts serve large geographic areas; others serve relatively small areas. There are populous, rapidly growing urban districts and very rural ones, some of which are seeing population loss. Such disparate conditions have a large impact on the ability of the State to provide a uniform level of transportation service across LEAs. In addition to variations in geography and demography, variations in local policy affect the everyday experiences of students as they travel to and from school.

One of the most important tools available to Local Education Agencies (LEAs) in our state is the Transportation Information Management System (TIMS). TIMS, a systems initiative of the North Carolina Department of Public Instruction (through a software license with Education Logistics, Inc.), provides an LEA with a digital, geographic planning tool for student transportation. It features important optimization tools that can be used to improve the efficiency of transportation services. Use of TIMS (or another approved system) is required of all LEAs by G.S. 115C-240(d).

In addition to the benefit derived from the optimization tools, uniform reporting from TIMS makes possible the production of LEA-level and statewide data. In this document, data from all LEAs have been collected and summarized. The goal is to give school transportation providers and local policy makers a tool that will help them assess the quality of the services they provide. In this, its fifth year, the report continues to provide detailed data on service and operations that are available from no other source. We trust that this information will be useful to LEAs in the transportation planning process.

We want to express appreciation to the TIMS coordinators and data managers statewide who maintain this information, provided as part of annual LEA data submissions. Further, the TIMS support staff at UNC Charlotte and ITRE are to be commended for their ongoing support and coordination in the compilation of these data.

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#### Notes on the 2010-2011 Indicator Data

#### **AVERAGES FOR THE STATE**

Throughout the report, North Carolina Averages are calculated from base data rather than from LEA averages.

#### **ANNUAL CHANGE SYMBOLS**

These symbols are used in several instances to denote direction of change in an Indicator from the previous year.

- + Increase- Decrease
- = No change

#### VARIATIONS IN CODING

Data used in this report are gathered from the one hundred fifteen TIMS datasets maintained in school districts across North Carolina. Though all LEAs use the same software, data coding practices can vary considerably. In some instances, this is due to varying levels of expertise on the part of the data managers; in others, to varying levels of demand being placed upon the data in support of operations; in still others, simply to preference.

#### **BELL TIMES AND PROGRAMS**

The data are probably most affected by differences in the ways that TIMS data managers approach the use of multiple arrival and departure times at schools. Accommodations can involve the use of programs (special schoolday schedules with their own, non-standard bell times), purposely incorrect school bell times or school arrival/departure windows, and secondary datasets devoted to transportation for exceptional programs. LEAs use of TIMS isn't driven by the needs of this report and shouldn't be, but one effect of varied approaches across LEAs is to make it difficult to avoid comparing apples with oranges—or even to tell an apple from an orange. The data items most affected by the use (or lack) of programs are 'Average School Bell Time Range' and 'Percentage of Buses Revisiting the Same School PM'.

#### DATA USED/DATA EXCLUDED

For 'theoretical' reasons—in an effort to make them more meaningful—not all Indicators reflect all the data. The set of data covered by an Indicator is noted in the section of the report devoted to it.

#### **OMITTED VALUES**

Data can exhibit a number of problems that don't prevent students from being transported but can make reported values unsuitable for individual examination or inclusion in a descriptive static. If you find that some values have been omitted, it is for this reason.

|       | TIMS Service Indicators Table of Conte                    | ents             |
|-------|---|------------------|
| Page  | Service Indicator   | State<br>Average |
| 2–3   | Average Student Ride Time, AM                             | 23 minutes       |
| 2–3   | Average Distance to School, Riders                        | 4.34 miles       |
| 2–3   | Average Distance to School, All Students                  | 4.35 miles       |
| 4–5   | Average of Longest 5% of<br>Student Ride Times            | 69 minutes       |
| 4–5   | Average Distance to School for Longest 5% of Ride Times   | 8.32 miles       |
| 6–7   | Average of Student-to-Stop Distances < 1 Mile             | 469 feet         |
| 6–7   | % of Stop Distances > .5 & < 1 Mile                       | 1.33             |
| 6–7   | % of Stop Distances < 1 Mile = 0                          | 28.55            |
| 8–9   | Earliest Morning Pickup Time*                             | 5:52 AM          |
| 8–9   | School Arrival Time for Earliest Morning Pickup*          | 7:40 AM          |
| 10–11 | Percent of Routes with Multiple Runs from the Same School | 6.60             |
|       | Operations Choices Affecting Service                      |                  |
| 12    | Range of School Start Times                               | 68 minutes       |
| 13    | Average Number of Runs per Rte, PM                        | 1.68             |
| 13    | Percent of Routes with More than One<br>Run, PM           | 48.27            |
|       | *State-wide value is the median .                         |                  |
| 14    | Contacts  | _                |

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## Student Ride Times, AM

#### **DEFINITIONS**

This Indicator represents the experience of students in EC and Regular datasets, all programs. Ride times and distances to school equal to 0 are excluded as errors in the data.

Average Ride Time (Minutes): Average of all bus riders' AM travel to school. Ride times and distances of 0 are excluded as errors.

Average Distance to School, Riders Only (Miles): TIMS calculates a student's distance to school by finding the shortest path along the street network. This will not necessarily be the path the bus actually travels. Average distance from home to school for bus riders is shown to provide context for the average morning ride time.

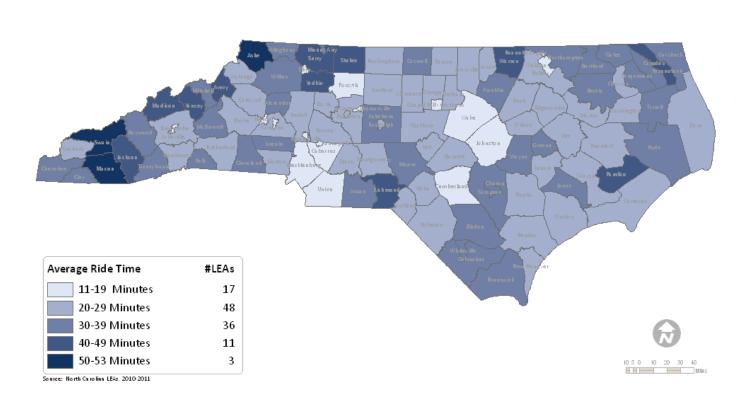
Average Distance to School, All Students (Miles): The average distance for all students enrolled is shown for comparison to the distance for bus riders.

| STATE-WIDE AVERAGES                      | 2010-11 | 2009-10 |
|--|---------|---------|
| Average Ride Time                        | 23      | 23      |
| Average Distance to School, Riders Only  | 4.34    | 4.37    |
| Average Distance to School, All Students | 4.35    | 4.27    |

#### **ABOUT SERVICE**

A child's ride time should correspond roughly to the distance from home to school. However, the expected correspondence is compromised by anything that slows or delays the bus or causes it to depart from the shortest path used to calculate distance to school. LEA policies and site-specific conditions that are beyond the LEA's control impact student ride time. Policies that can result in longer ride times include the placement of programs for exceptional children and the use of larger buses. The frequency and location of school bus stops also has a significant impact. For instance, locating school bus stops in private subdivisions and routing buses on short deadend roads takes additional time and results in longer rides. Student population density, traffic congestion, and speed limit are site-specific conditions over which an LEA has little control.

# Average Student Ride Time, A.M.



TIMS Service Indicators, 2010-2011: Student Ride Times, AM

|                     |                     | Ave<br>Distar<br>Sch | nce to         |                         |                     | Ave<br>Distar<br>Sch | nce to         |                          |                     | Dista          | rage<br>nce to<br>ool |
|---------------------|---------------------|----------------------|----------------|-------------------------|---------------------|----------------------|----------------|--------------------------|---------------------|----------------|-----------------------|
| LEA                 | Avg<br>Ride<br>Time | Riders<br>Only       | All<br>Stu.    | LEA                     | Avg<br>Ride<br>Time | Riders<br>Only       | All<br>Stu.    | LEA                      | Avg<br>Ride<br>Time | Riders<br>Only | All<br>Stu.           |
| Alamance-Burlington | 23+                 | 3.78-                | 3.68+          | Edgecombe               | 28=                 | 5.57+                | 4.76-          | Chapel Hill-<br>Carrboro | 14=                 | 2.58+          | 2.35+                 |
| Alexander           | 33-                 | 5.25+                | 5.14-          | W-S/Forsyth             | 17+                 | 3.64+                | 3.69-          | Pamlico                  | 40-                 | 7.87-          | 7.22+                 |
| Alleghany           | 38+                 | 4.79-                | 4.92-          | Franklin                | 35-                 | 5.91+                | 5.79+          | Pasquotank               | 30+                 | 4.58+          | 4.46+                 |
| Anson               | 33=                 | 5.94-                | 5.92-          | Gaston                  | 25=                 | 2.94+                | 3.05-          | Pender                   | 28+                 | 6.11+          | 5.88+                 |
| Ashe                | 50-                 | 7.64-                | 7.26-          | Gates                   | 34=                 | 7.29-                | 7.02-          | Perquimans               | 39+                 | 7.09-          | 6.65-                 |
| Avery               | 41-                 | 5.82+                | 4.00+          | Graham                  | 23=                 | 5.99+                | 5.48-          | Person                   | 28=                 | 5.20-          | 5.32-                 |
| Beaufort            | 24-                 | 6.27-                | 6.06-          | Granville               | 22-                 | 5.37+                | 5.22+          | Pitt                     | 23=                 | 4.21+          | 3.47-                 |
| Bertie              | 33=                 | 8.54-                | 8.74+          | Greene                  | 37-                 | 7.52-                | 7.19-          | Polk                     | 37-                 | 6.48+          | 6.17+                 |
| Bladen              | 33+                 | 7.60-                | 7.37-          | Guilford                | 22=                 | 3.93+                | 3.63+          | Randolph                 | 33-                 | 4.88-          | 5.30+                 |
| Brunswick           | 35-                 | 6.96-                | 6.91-          | Halifax                 | 24=                 | 7.73-                | 7.76-          | Asheboro                 | 26+                 | 2.14-          | 2.26-                 |
| Buncombe            | 26+                 | 3.96-                | 3.96-          | Roanoke Rapids          | 11-                 | 1.68-                | 1.27-          | Richmond                 | 48+                 | 4.14+          | 4.18+                 |
| Asheville           | 15=                 | 2.90+                | 3.10+          | Weldon                  | 17+                 | 3.77+                | 3.97+          | Robeson                  | 24+                 | 4.16+          | 4.06-                 |
| Burke               | 23+                 | 3.77-                | 3.92-          | Harnett                 | 27=                 | 5.22+                | 5.07+          | Rockingham               | 29=                 | 4.89+          | 4.79+                 |
| Cabarrus            | 18-                 | 3.58-                | 3.59-          | Haywood                 | 37+                 | 4.59+                | 4.49-          | Rowan-Salisbury          | 24-                 | 4.04-          | 4.04+                 |
| Kannapolis          | 17-                 | 1.93-                | 1.86+          | Henderson               | 27-                 | 4.25+                | 4.09+          | Rutherford               | 28=                 | 4.63+          | 4.65+                 |
| Caldwell            | 26+                 | 3.93-                | 4.03-          | Hertford                | 30-                 | 6.70+                | 5.76-          | Sampson                  | 32+                 | 7.20+          | 7.12+                 |
| Camden              | 42+                 | 8.64-                | 7.99-          | Hoke                    | 20=                 | 5.78+                | 5.42+          | Clinton                  | 32+                 | 3.73-          | 3.84-                 |
| Carteret            | 22=                 | 5.15-                | 5.09+          | Hyde                    | 35-                 | 12.82+               | 9.12-          | Scotland                 | 26=                 | 5.24+          | 4.86+                 |
| Caswell             | 34-                 | 9.14-                | 8.93-          | Iredell-Statesville     | 23-                 | 4.72+                | 4.81+          | Stanly                   | 26=                 | 3.85+          | 3.79+                 |
| Catawba             | 20=                 | 4.49+                | 4.31+          | Mooresville             | 17=                 | 2.77-                | 2.73+          | Stokes                   | 47+                 | 6.02+          | 5.33-                 |
| Hickory             | 17-                 | 2.66-                | 2.45-          | Jackson                 | 49+                 | 6.09+                | 4.55+          | Surry                    | 40+                 | 5.51+          | 4.94+                 |
| Newton-Conover      | 18+                 | 2.69+                | 2.84-          | Johnston                | 19-                 | 4.27-                | 4.25-          | Elkin                    | 14-                 | 2.68-          | 2.63+                 |
| Chatham             | 28+                 | 4.76-                | 5.19+          | Jones                   | 34-                 | 7.32+                | 7.32-          | Mount Airy               | 32=                 | 2.34+          | 2.53=                 |
| Cherokee            | 33=                 | 5.48+                | 5.42+          | Lee                     |                     | 4.35+                | 4.26-          | Swain                    | 50+                 | 6.17+          | 4.46+                 |
| Edenton/Chowan      | 29+                 | 8.73+                | 8.24-          | Lenoir                  |                     | 4.86+                | 4.91-          | Transylvania             | 32-                 | 5.09+          | 5.04+                 |
| Clay                | 33+                 | 5.54+                | 4.36+          | Lincoln                 |                     | 4.73-                | 4.65-          | Tyrell                   | 30-                 | 5.59-          | 5.19+                 |
| Cleveland           | 35-                 | 4.83+                | 4.65+          | Macon                   | 53-                 | 5.27+                | 4.97+          | Union                    | 18-                 | 3.72-          | 3.81-                 |
| Columbus            | 32-                 | 6.26+                | 6.17+          | Madison                 | 44-                 | 8.91+                | 8.92+          | Vance                    | 24-                 | 4.02+          | 4.10+                 |
| Whiteville          |                     | 4.37-                | 4.24-          | Martin                  |                     | 4.68+                | 4.96+          | Wake                     | 16-                 | 4.38-          | 4.05-                 |
| Craven              | 26=                 | 5.43+                | 5.24+          | McDowell                | 30-                 | 5.53+                | 5.05+          | Warren                   | 40-                 | 7.25-          | 6.39-                 |
| Cumberland          | 19=                 |                      | 3.23-          | Charlotte-Meck.         |                     | 3.40-                | 3.49-          | Washington               |                     | 5.54-          | 5.25-                 |
|                     |                     | 7.91+                |                |                         | 15-<br>27+          | 5.89+                |                |                          | 25-                 |                | 5.08-                 |
| Currituck           | 36-                 |                      | 7.87+          | Montgomory              |                     |                      | 5.41+          | Wayno                    | 29-                 | 5.02+          |                       |
| Dare<br>Davidson    | 22-<br>28=          | 4.94-                | 4.47-          | Moore                   |                     | 4.83+<br>5.19-       | 5.27+<br>4.91+ | Wayne<br>Wilkes          | 30-<br>38-          | 4.31+<br>4.81+ | 4.44+                 |
| Lexington           |                     | 4.47-<br>1.98+       | 4.43-<br>2.48+ | Moore Nash- Rocky Mount |                     | 5.46+                | 4.80+          | Wilson                   |                     | 3.98-          | 5.21+<br>3.59-        |
| Thomasville         | 16-                 | 1.81+                | 1.86-          | New Hanover             | 20-                 | 3.32-                | 3.14+          | Yadkin                   | 49+                 | 5.22+          | 5.24-                 |
| Davie               | 25+                 | 5.37+                | 5.55+          | Northampton             |                     | 7.75-                | 7.77+          | Yancey                   | 49-                 | 5.71-          | 5.52+                 |
| Duplin              | 27=                 | 5.67-                | 5.70-          | Onslow                  |                     | 4.59-                | 4.28-          | ,                        |                     |                |                       |
| Durham              |                     | 3.63-                | 3.71-          | Orange                  |                     | 5.56-                | 5.48-          | State Average            | 23=                 | 4.34-          | 4.35+                 |

### **Longest 5% of Student Ride Times**

#### **DEFINITIONS**

This Indicator represents the experience of students in EC and Regular datasets, all programs.

Average of Longest 5% of Student Ride Times (Minutes): The longest 5% of ride times for each LEA were pulled from TIMS data and averaged.

Average Distance for Longest 5% of Ride Times (Miles): The student-to-school distance for a child is the distance along the shortest path that a bus could travel between a child's home and the child's school, according to the TIMS digital map maintained by the LEA. It is not the distance the child actually travels. This indicator shows the average of the student-to-school distances for the longest 5% of student ride times within each LEA.

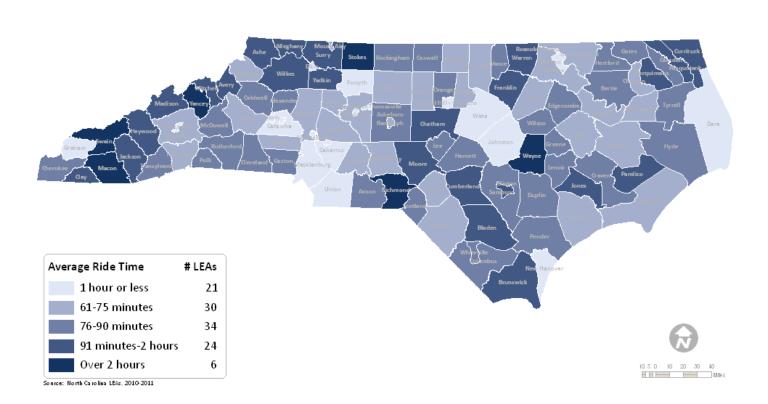
| STATE-WIDE AVERAGES                           | 2010—<br>11 | 2009-<br>10 |
|---|-------------|-------------|
| Average of Longest 5% of Student Ride Times   | 69          | 70          |
| Average Distance for Longest 5% of Ride Times | 8.32        | 8.58        |

The state-wide values are the averages of the combined sets of each LEAs longest 5% of ride times and the distances to school associated with them.

#### **ABOUT SERVICE**

By highlighting extreme ride times, this indicator illustrates the experience of the students who are receiving what is arguably the worst service as it is measured by the ride time indicator.

# Average of Longest 5% of Student Ride Times



TIMS Service Indicators, 2010-2011: Longest 5% of Student Ride Times

| LEA                 | Average<br>of Longest<br>5% Ride<br>Times | Avg<br>Dist for<br>Longest<br>5% Ride<br>Times | LEA                   | Average<br>of Longest<br>5% Ride<br>Times | Avg<br>Dist for<br>Longest<br>5% Ride<br>Times | LEA                      | Average<br>of Longest<br>5% Ride<br>Times | Avg<br>Dist for<br>Longest<br>5% Ride<br>Times |
|---------------------|---|--|-----------------------|---|--|--------------------------|---|--|
| Alamance-Burlington | 70+                                       | 7.58+  | Edgecombe             | 78-                                       | 9.87-  | Chapel Hill-<br>Carrboro | 37+                                       | 3.74+  |
| Alexander           | 88-                                       | 6.28-  | W-S/Forsyth           | 51+                                       | 7.34-  | Pamlico                  | 101-                                      | 13.41+   |
| Alleghany           | 98+                                       | 10.36-   | Franklin              | 94-                                       | 7.97-  | Pasquotank               | 86+                                       | 7.11-  |
| Anson               | 78-                                       | 10.19-   | Gaston                | 77+                                       | 4.61-  | Pender                   | 88+                                       | 12.24-   |
| Ashe                | 118-                                      | 12.08-   | Gates                 | 86+                                       | 8.55+  | Perquimans               | 91+                                       | 12.35+   |
| Avery               | 103-                                      | 9.86-  | Graham                | 54+                                       | 10.23-   | Person                   | 71+                                       | 10.79-   |
| Beaufort            | 72-                                       | 12.85+   | Granville             | 67+                                       | 10.59+   | Pitt                     | 71-                                       | 7.21-  |
| Bertie              | 84+                                       | 15.27-   | Greene                | 85-                                       | 10.40+   | Polk                     | 82-                                       | 6.62-  |
| Bladen              | 100+                                      | 15.01-   | Guilford              | 73+                                       | 8.53+  | Randolph                 | 84+                                       | 8.23+  |
| Brunswick           | 97-                                       | 12.32-   | Halifax               | 64+                                       | 13.42+   | Asheboro                 | 69+                                       | 2.34+  |
| Buncombe            | 71+                                       | 6.73-  | Roanoke Rapids        | 28-                                       | 2.12-  | Richmond                 | 121+                                      | 7.15-  |
| Asheville           | 39+                                       | 3.29+  | Weldon                | 56+                                       | 7.96-  | Robeson                  | 70+                                       | 6.13+  |
| Burke               | 73+                                       | 6.60-  | Harnett               | 85+                                       | 8.37+  | Rockingham               | 90+                                       | 9.27+  |
| Cabarrus            | 49-                                       | 6.69+  | Haywood               | 97+                                       | 10.65+   | Rowan-Salisbury          | 72-                                       | 7.46+  |
| Kannapolis          | 46-                                       | 2.83+  | Henderson             | 71-                                       | 6.17-  | Rutherford               | 79-                                       | 8.46-  |
| Caldwell            | 80+                                       | 6.81-  | Hertford              | 90-                                       | 12.37-   | Sampson                  | 81+                                       | 11.33-   |
| Camden              | 99+                                       | 15.31+   | Hoke                  | 61+                                       | 12.43+   | Clinton                  | 91+                                       | 5.35+  |
| Carteret            | 63+                                       | 12.31-   | Hyde                  | 86-                                       | 24.18+   | Scotland                 | 79-                                       | 12.13+   |
| Caswell             | 84-                                       | 13.79-   | Iredell-Statesville   | 63-                                       | 8.47-  | Stanly                   | 71-                                       | 5.66-  |
| Catawba             | 55-                                       | 7.10+  | Mooresville           | 41-                                       | 3.60-  | Stokes                   | 125+                                      | 9.85+  |
| Hickory City        | 51-                                       | 4.32-  | Jackson               | 117+                                      | 10.36-   | Surry                    | 100-                                      | 7.56+  |
| Newton-Conover      | 57+                                       | 8.05+  | Johnston              | 52-                                       | 8.53-  | Elkin                    | 47-                                       | 6.12-  |
| Chatham             | 95+                                       | 9.72-  | Jones                 | 107-                                      | 14.80+   | Mount Airy               | 74-                                       | 1.46-  |
| Cherokee            | 88+                                       | 8.55+  | Lee                   | 81-                                       | 6.81+  | Swain                    | 130-                                      | 10.37-   |
| Edenton/Chowan      | 67-                                       | 12.51-   | Lenoir                | 79-                                       | 9.20-  | Transylvania             | 77-                                       | 8.65+  |
| Clay                | 93+                                       | 10.31+   | Lincoln               | 74-                                       | 5.11-  | Tyrell                   | 80+                                       | 13.39+   |
| Cleveland           | 87-                                       | 7.04+  | Macon                 | 139-                                      | 8.15-  | Union                    | 55-                                       | 8.62-  |
| Columbus            | 82-                                       | 13.01+   | Madison               | 101-                                      | 13.36-   | Vance                    | 87+                                       | 5.93-  |
| Whiteville          | 77+                                       | 5.52+  | Martin                | 74+                                       | 11.14+   | Wake                     | 55-                                       | 10.07+   |
| Craven              | 78+                                       | 12.21-   | McDowell              | 83-                                       | 8.83+  | Warren                   | 107-                                      | 11.78-   |
| Cumberland          | 94+                                       | 5.48-  | Charlotte-Meck.       | 52-                                       | 8.10-  | Washington               | 61-                                       | 7.70+  |
| Currituck           | 105-                                      | 17.19+   | Mitchell              | 93+                                       | 13.46+   | Watauga                  | 73-                                       | 8.83-  |
| Dare                | 54-                                       | 9.87-  | Montgomery            | 74+                                       | 10.06-   | Wayne                    | 124+                                      | 5.83+  |
| Davidson            | 75+                                       | 6.13+  | Moore                 | 97+                                       | 7.60-  | Wilkes                   | 109-                                      | 9.30+  |
| Lexington           | 60-                                       | 2.46+  | Nash - Rocky<br>Mount | 74+                                       | 8.61+  | Wilson                   | 76-                                       | 6.52+  |
| Thomasville         | 35+                                       | 2.06+  | New Hanover           | 60+                                       | 6.28+  | Yadkin                   | 114+                                      | 7.80+  |
| Davie               | 69+                                       | 6.24-  | Northampton           | 74-                                       | 9.03-  | Yancey                   | 132+                                      | 7.83-  |
| Duplin              | 80-                                       | 10.35-   | Onslow                | 62-                                       | 9.03-  | ,                        |   |  |
| Durham              | 66+                                       | 6.61-  | Orange                | 77+                                       | 10.60-   | State Average            | 69-                                       | 8.32-  |

## Student-to-Stop Distances, AM

#### **DEFINITIONS**

This set of Indicators is concerned with the lengths of students' walks from their homes to their stops. It represents the experience of students in EC and Regular datasets, all programs. Distances of 0 are included; negative distances are excluded as data errors. Under the assumption that no child in North Carolina walks a mile or more to their stop and since some students travel to their stops via private conveyance, distances of 1 mile and greater were removed from consideration. These account for 2.6% of riders statewide.

Average of Student-to-Stop Distances < 1 Mile, AM: The average walk from home to stop for distances less than one mile. In feet.

% of Stop Distances .5 & < 1 Mile: This small percentage of all riders represents those with the longest walks to stops and others who ride to a stop. A bus is not to deviate from its path for a distance of less than one half mile for fewer than ten students (except in the cases of unescorted pupils in

| STATE-WIDE AVERAGES                                  | 2010-11 | 2009-10 |
|--|---------|---------|
| Average of Student-to-Stop<br>Distances < 1 Mile, AM | 469     | 470     |
| % of Stop Distances > .5 & < 1 Mile                  | 1.33    | 1.39    |
| % of Stop Distances < 1 Mile = 0                     | 28.55   | 29.04   |

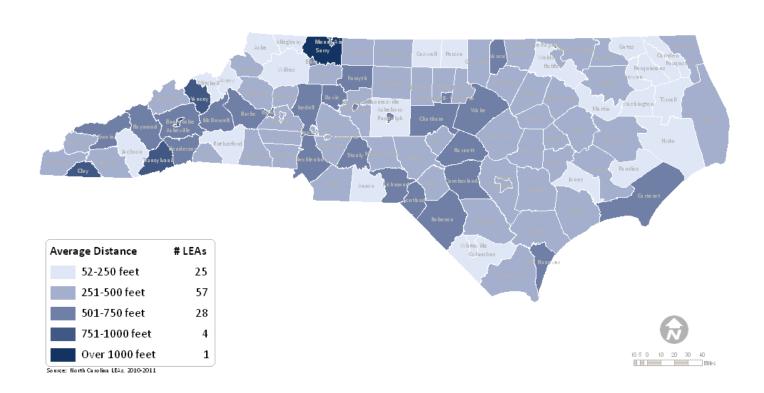
grades K-3 or special education pupils) and no child can be required to walk more than 1 mile to a stop.

% of Stop Distances < 1 Mile = 0: Percent of students with stop distances less than one mile that are picked up immediately in front of their home.

#### **ABOUT SERVICE**

The student-to-stop distance has two interpretations for service. Individuals typically see a very short distance to stop as positive for service. However, when a bus makes a greater number of stops in order to provide students with bus-to-door service, the student ride times generally increase.

# Average of Student-to-Stop Distances



TIMS Service Indicators, 2010-2011: Student-to-Stop Distances, AM

| LEA                     | Avg of<br>Dist <1<br>Mile | % of<br>Dist<br>> .5 &<br><1 Mile | % of<br>Dist <1<br>Mile =<br>0 | LEA                     | Avg of<br>Dist < 1<br>Mile | % of<br>Dist<br>> .5 &<br><1 Mile | % of<br>Dist < 1<br>Mile =<br>0 | LEA                      | Avg of<br>Dist < 1<br>Mile | % of<br>Dist<br>> .5 &<br><1 Mile | % of<br>Dist <1<br>Mile =<br>0 |
|-------------------------|---------------------------|-----------------------------------|--------------------------------|-------------------------|----------------------------|-----------------------------------|---------------------------------|--------------------------|----------------------------|-----------------------------------|--------------------------------|
| Alamance-<br>Burlington | 283-                      | 0.76-                             | 44.24-                         | Edgecombe               | 351+                       | 0.69+                             | 36.51-                          | Chapel Hill-<br>Carrboro | 547-                       | 1.41-                             | 21.09+                         |
| Alexander               | 478-                      | 1.86+                             | 31.16-                         | W-S/Forsyth             | 538-                       | 1.07-                             | 21.14-                          | Pamlico                  | 168+                       | 1.04+                             | 71.85-                         |
| Alleghany               | 250-                      | 2.04+                             | 61.18-                         | Franklin                | 312+                       | 1.36+                             | 52.36+                          | Pasquotank               | 154-                       | 0.34-                             | 66.95-                         |
| Anson                   | 203+                      | 1.03+                             | 70.43-                         | Gaston                  | 317+                       | 0.45+                             | 38.36-                          | Pender                   | 458+                       | 2.64+                             | 41.11+                         |
| Ashe                    | 121-                      | 0.76-                             | 86.06+                         | Gates                   | 79+                        | 0.63+                             | 76.01-                          | Perquimans               | 52+                        | 0.08+                             | 87.05+                         |
| Avery                   | 140-                      | 1.98-                             | 68.99+                         | Graham                  | 345-                       | 2.21+                             | 61.47+                          | Person                   | 215-                       | 0.04-                             | 41.55+                         |
| Beaufort                | 434-                      | 1.83-                             | 35.31+                         | Granville               | 439+                       | 2.44-                             | 41.63-                          | Pitt                     | 429-                       | 1.19-                             | 20.09-                         |
| Bertie                  | 293+                      | 0.22-                             | 36.50-                         | Greene                  | 312+                       | 0.63-                             | 45.89-                          | Polk                     | 465+                       | 4.40-                             | 61.03+                         |
| Bladen                  | 346-                      | 0.82-                             | 39.32+                         | Guilford                | 435+                       | 2.39+                             | 34.11+                          | Randolph                 | 132-                       | 0.00=                             | 58.02+                         |
| Brunswick               | 484-                      | 1.67-                             | 30.62+                         | Halifax                 | 203+                       | 0.70+                             | 53.13-                          | Asheboro                 | 640+                       | 6.25+                             | 24.47-                         |
| Buncombe                | 586+                      | 3.49+                             | 35.72-                         | Roanoke<br>Rapids       | 505+                       | 0.39-                             | 11.69-                          | Richmond                 | 586-                       | 6.05-                             | 47.44+                         |
| Asheville               | 813+                      | 3.01+                             | 6.17-                          | Weldon                  | 303+                       | 0.97+                             | 41.50-                          | Robeson                  | 523-                       | 2.54-                             | 25.87+                         |
| Burke                   | 504-                      | 1.01+                             | 26.44+                         | Harnett                 | 573-                       | 3.05-                             | 27.41+                          | Rockingham               | 380-                       | 0.81-                             | 36.84+                         |
| Cabarrus                | 386-                      | 0.47-                             | 23.94-                         | Haywood                 | 534-                       | 3.26-                             | 35.33+                          | Rowan-<br>Salisbury      | 372-                       | 1.73-                             | 50.30+                         |
| Kannapolis              | 251-                      | 0.56-                             | 40.31+                         | Henderson               | 579-                       | 2.81-                             | 29.52+                          | Rutherford               | 221-                       | 0.81-                             | 64.49-                         |
| Caldwell                | 449-                      | 2.02-                             | 37.43-                         | Hertford                | 268+                       | 2.78+                             | 62.48-                          | Sampson                  | 382+                       | 0.96-                             | 37.92-                         |
| Camden                  | 129+                      | 0.10+                             | 67.28-                         | Hoke                    | 399+                       | 0.96+                             | 26.00-                          | Clinton                  | 365+                       | 0.46-                             | 31.78-                         |
| Carteret                | 536+                      | 3.21-                             | 36.51-                         | Hyde                    | 112-                       | 0.75+                             | 71.47+                          | Scotland                 | 567-                       | 3.93-                             | 29.49-                         |
| Caswell                 | 230-                      | 1.25-                             | 76.67+                         | Iredell-<br>Statesville | 645+                       | 3.27+                             | 23.54-                          | Stanly                   | 502+                       | 1.82+                             | 32.49-                         |
| Catawba                 | 468+                      | 1.59+                             | 30.68-                         | Mooresville             | 348+                       | 0.57-                             | 16.10-                          | Stokes                   | 290-                       | 2.04-                             | 61.59+                         |
| Hickory                 | 506+                      | 1.69-                             | 20.85-                         | Jackson                 | 224-                       | 1.37-                             | 77.54+                          | Surry                    | 1290+                      | 12.23+                            | 6.17-                          |
| Newton-Conover          | 271-                      | 0.52-                             | 45.32-                         | Johnston                | 261-                       | 0.26+                             | 42.92+                          | Elkin                    | 729-                       | 2.45-                             | 11.36+                         |
| Chatham                 | 599+                      | 2.56-                             | 33.74-                         | Jones                   | 118+                       | 0.58+                             | 76.04-                          | Mount Airy               | 566+                       | 2.88+                             | 11.21-                         |
| Cherokee                | 406+                      | 3.00-                             | 56.51-                         | Lee                     | 369-                       | 1.78-                             | 50.75+                          | Swain                    | 573-                       | 1.58+                             | 27.96+                         |
| Edenton/Chowan          | 111-                      | 0.30-                             | 71.31+                         | Lenoir                  | 268+                       | 1.52+                             | 54.16-                          | Transylvania             | 816+                       | 6.76+                             | 26.31-                         |
| Clay                    | 891+                      | 8.52+                             | 30.49-                         | Lincoln                 | 425-                       | 1.68-                             | 37.92-                          | Tyrell                   | 218-                       | 2.17-                             | 66.93+                         |
| Cleveland               | 269+                      | 1.18+                             | 53.19-                         | Macon                   | 479-                       | 2.81-                             | 48.20+                          | Union                    | 274+                       | 0.43-                             | 34.20-                         |
| Columbus                | 174-                      | 0.57+                             | 61.43+                         | Madison                 | 325+                       | 1.69+                             | 65.13-                          | Vance                    | 663+                       | 5.36+                             | 30.46-                         |
| Whiteville              | 216-                      | 0.94-                             | 52.19-                         | Martin                  | 244-                       | 1.84+                             | 66.77+                          | Wake                     | 637+                       | 1.27+                             | 12.61+                         |
| Craven                  | 364+                      | 1.31+                             | 32.21-                         | McDowell                | 708+                       | 1.61-                             | 27.54-                          | Warren                   | 392-                       | 1.08-                             | 39.44-                         |
| Cumberland              | 512+                      | 0.33-                             | 12.27-                         | Charlotte-<br>Meck.     | 590-                       | 0.59+                             | 9.95-                           | Washington               | 211-                       | 0.96-                             | 67.44+                         |
| Currituck               | 314-                      | 0.57-                             | 47.17-                         | Mitchell                | 223+                       | 1.22+                             | 64.31-                          | Watauga                  | 458+                       | 2.92+                             | 47.18-                         |
| Dare                    | 458-                      | 1.28-                             | 29.19+                         | Montgomery              | 469+                       | 3.05+                             | 36.71-                          | Wayne                    | 390+                       | 0.56+                             | 26.35-                         |
| Davidson                | 350+                      | 1.40+                             | 48.93+                         | Moore                   | 408-                       | 3.30-                             | 56.08+                          | Wilkes                   | 235-                       | 0.73-                             | 56.76+                         |
| Lexington               | 619-                      | 1.67-                             | 11.85+                         | Nash-<br>Rocky Mount    | 415-                       | 0.23+                             | 22.30+                          | Wilson                   | 381-                       | 0.73-                             | 30.58+                         |
| Thomasville             | 337-                      | 0.00-                             | 26.69+                         | New Hanover             | 699-                       | 3.86-                             | 23.84+                          | Yadkin                   | 415-                       | 2.34-                             | 45.74+                         |
|                         |                           |                                   |                                |                         |                            |                                   |                                 |                          |                            |                                   |                                |
| Davie<br>Duplin         | 564-                      | 2.08-                             | 28.26+                         | Northampton Onslow      | 268+                       | 0.61+                             | 44.65-                          | Yancey                   | 770-                       | 6.98-                             | 29.40+                         |
| ·                       | 326+                      | 0.56-                             | 40.66-                         |                         | 456+                       | 1.53-                             | 30.26-                          | Chala A                  | 850                        | 1.22                              | 20.55                          |
| Durham                  | 368-                      | 0.22-                             | 33.95+                         | Orange                  | 291+                       | 0.94-                             | 62.02-                          | State Average            | 469-                       | 1.33-                             | 28.55-                         |

## **Earliest Morning Pickup Time**

#### **DEFINITIONS**

The Indicator covers all stops used by students in all programs and datasets.

**Earliest Morning Pickup Time:** This is the earliest time that a bus arrives at a stop to pick up a child.

**Arrival Time:** The time that students boarding at the earliest pickup location arrive at school. If more than one student uses the earliest stop, or if more than one stop share the earliest time, the arrival time of the child with the longest ride time is shown.

#### **ABOUT SERVICE**

Extremely early pickup times are obviously, in themselves, an issue of service. When coupled with a long ride, an early

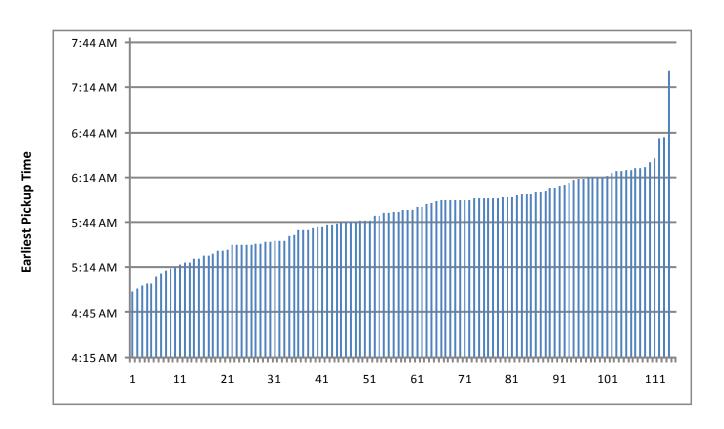
| STATE-WIDE MEDIAN            | 2010-11 | 2009-10 |
|------------------------------|---------|---------|
| Earliest Morning Pickup Time | 5:52 AM | 5:52 AM |
| Arrival Time                 | 7:40 AM | 7:38 AM |

pickup might present a student with a particularly challenging start to the day.

Very early pickup times for students may be caused by several things. Use of early bell times that necessitate early run starts is one.

These data represent one or more students at one stop, not the overall average. The LEA ride time averages (pages 4-5) yield a better understanding of how these specific cases relate to a district's overall operations.

# **Earliest Morning Pickup Time**



**Count of LEAs** 

TIMS Service Indicators, 2010-2011: Earliest Morning Pickup Time

| LEA                    | Earliest<br>Pickup<br>AM | Arrival<br>Time | LEA                  | Earliest<br>Pickup<br>AM | Arrival<br>Time | LEA                  | Earliest<br>Pickup<br>AM | Arrival<br>Time |
|------------------------|--------------------------|-----------------|----------------------|--------------------------|-----------------|----------------------|--------------------------|-----------------|
| Alamance-Burlington    |                          |                 | Edgecombe            | 5:53 AM+                 |                 | Chapel Hill-Carrboro |                          |                 |
| Alexander              | 6:02 AM+                 |                 | W-S/Forsyth          | 5:33 AM-                 |                 | Pamlico              | 5:49 AM+                 |                 |
| Alleghany              | 6:04 AM+                 |                 | Franklin             | 6:00 AM=                 |                 | Pasquotank           | 5:36 AM+                 |                 |
| Anson                  | 5:40 AM+                 |                 | Gaston               | 5:52 AM-                 |                 | Pender               | 5:45 AM-                 |                 |
| Ashe                   | 5:30 AM+                 |                 | Gates                | 6:20 AM+                 |                 | Perquimans           | 6:00 AM=                 |                 |
| Avery                  | 5:45 AM+                 |                 | Graham               | 6:13 AM-                 |                 | Person               | 6:19 AM-                 |                 |
| Beaufort               | 5:55 AM-                 |                 | Granville            | 5:49 AM+                 |                 | Pitt                 | 6:00 AM+                 |                 |
| Bertie                 | 6:01 AM+                 |                 | Greene               | 6:15 AM+                 |                 | Polk                 | 6:15 AM+                 |                 |
| Bladen                 | 5:18 AM+                 |                 | Guilford             | 5:30 AM+                 |                 | Randolph             | 5:45 AM-                 |                 |
| Brunswick              | 5:21 AM+                 |                 | Halifax              | 6:11 AM+                 |                 | Asheboro             | 6:25 AM+                 |                 |
| Buncombe               | 5:15 AM+                 |                 | Roanoke Rapids       | 6:41 AM-                 |                 | Richmond             | 6:00 AM-                 |                 |
| Asheville              | 6:19 AM+                 |                 | Weldon               | 6:28 AM-                 |                 | Robeson              | 5:57 AM-                 |                 |
| Burke                  | 5:23 AM+                 |                 | Harnett              | 5:24 AM-                 |                 | Rockingham           | 5:41 AM-                 |                 |
| Cabarrus               | 5:33 AM+                 |                 | Haywood              | 5:32 AM-                 |                 | Rowan-Salisbury      | 5:26 AM+                 |                 |
|                        | 6:09 AM+                 |                 | Henderson            | 6:06 AM+                 |                 | Rutherford           |                          |                 |
| Kannapolis<br>Caldwell | 5:32 AM+                 |                 | Hertford             | 5:45 AM+                 |                 |                      | 5:51 AM-                 |                 |
| Camden                 | 6:01 AM+                 |                 | Hoke                 |                          |                 | Sampson<br>Clinton   | 5:52 AM+<br>5:46 AM+     |                 |
|                        |                          |                 |                      | 6:03 AM+                 |                 |                      |                          |                 |
| Carteret               | 5:04 AM-                 |                 | Hyde                 | 5:43 AM-                 |                 | Scotland             | 5:46 AM-                 |                 |
| Caswell                | 5:44 AM+                 |                 | Iredell-Statesville  |                          |                 | Starly               | 5:42 AM-                 |                 |
| Catawba                | 6:05 AM+                 |                 | Mooresville          | 6:20 AM+                 |                 | Stokes               | 5:11 AM-                 |                 |
| Hickory City           | 6:01 AM+                 |                 | Jackson              | 5:55 AM-                 |                 | Surry                | 5:37 AM-                 |                 |
| Newton-Conover         | 6:10 AM+                 |                 | Johnston             | 5:30 AM-                 |                 | Elkin                | 7:26 AM+                 |                 |
| Chatham                | 5:03 AM+                 |                 | Jones                | 5:40 AM+                 |                 | Mount Airy           | 6:08 AM=                 |                 |
| Cherokee               | 5:30 AM-                 |                 | Lee                  | 5:13 AM-                 |                 | Swain                | 5:14 AM+                 |                 |
| Edenton/Chowan         | 6:21 AM+                 |                 | Lenoir               | 4:47 AM-                 |                 | Transylvania         | 6:00 AM-                 |                 |
| Clay                   | 6:05 AM+                 |                 | Lincoln              | 5:33 AM+                 |                 | Tyrell               | 6:14 AM-                 |                 |
| Cleveland              | 5:59 AM-                 |                 | Macon                |                          | 10:04 AM        | Union                | 5:40 AM-                 |                 |
| Columbus               | 5:53 AM+                 |                 | Madison              | 6:02 AM+                 |                 | Vance                | 5:46 AM+                 |                 |
| Whiteville             | 6:04 AM+                 |                 | Martin               | 6:15 AM+                 |                 | Wake                 | 5:43 AM+                 |                 |
| Craven                 | 5:23 AM+                 |                 | McDowell             | 6:08 AM-                 |                 | Warren               | 5:17 AM+                 |                 |
| Cumberland             | 5:30 AM+                 |                 | Charlotte-Meck.      | 5:01 AM+                 |                 | Washington           | 6:18 AM+                 |                 |
| Currituck              | 5:27 AM+                 |                 | Mitchell             | 5:51 AM+                 |                 | Watauga              | 6:14 AM=                 |                 |
| Dare                   | 6:21 AM+                 |                 | Montgomery           | 5:58 AM+                 |                 | Wayne                | 4:59 AM-                 |                 |
| Davidson               | 5:53 AM+                 | 9:05 AM         | Moore                | 5:18 AM-                 | 7:55 AM         | Wilkes               | 5:04 AM-                 | 7:22 AM         |
| Lexington              | 6:04 AM+                 | 6:44 AM         | Nash-<br>Rocky Mount | 5:09 AM-                 | 7:07 AM         | Wilson               | 6:00 AM-                 | 7:25 AM         |
| Thomasville            | 6:42 AM+                 | 7:25 AM         | New Hanover          | 6:01 AM-                 | 7:26 AM         | Yadkin               | 6:01 AM+                 | 8:10 AM         |
| Davie                  | 6:16 AM+                 | 7:36 AM         | Northampton          | 6:02 AM-                 | 7:55 AM         | Yancey               | 5:26 AM+                 | 7:55 AM         |
| Duplin                 | 5:31 AM+                 | 7:45 AM         | Onslow               | 5:31 AM+                 | 7:30 AM         |                      |                          |                 |
| Durham                 | 5:42 AM+                 | 7:10 AM         | Orange               | 6:15 AM+                 | 8:03 AM         | State Median         | 5:52 AM=                 | 7:40 AM         |

Source: NC Local Education Agencies 2010-2011 TIMS Data. Compiled at UNC Charlotte Urban Institute.

## % of Routes with Multiple Runs from the Same School

#### **DEFINITIONS**

This Indicator includes only afternoon portions of routes for the default program for Regular Transportation. The calculation counts each bus with multiple same-school runs once whether it visits the school two, three or more times.

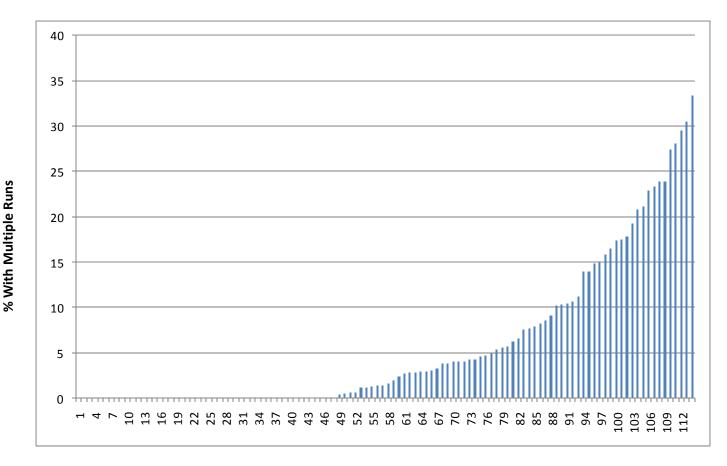
#### **ABOUT SERVICE**

Multiple runs from the same school require that a second and possibly third load of students wait at the school in the afternoon while the bus completes its prior run. This is often unproductive time for students and the staff members charged

| STATE-WIDE AVERAGES                                       | 2010-11 | 2009-10 |
|---|---------|---------|
| Percent of Routes with Multiple Runs from the Same School | 6.60    | 6.89    |

with their supervision. The use of multiple runs to the same school is an efficiency strategy used by districts that has direct impact on children 's waiting time.

# Percent of Routes with Multiple Runs from the Same School



**Count of LEAs** 

TIMS Service Indicators, 2010-2011: % of Routes with Multiple Runs from the Same School

| LEA                 | % of Routes with<br>Multiple Runs from<br>Same School | LEA                  | % of Routes with<br>Multiple Runs from<br>Same School | LEA                  | % of Routes with<br>Multiple Runs from<br>Same School |
|---------------------|---|----------------------|---|----------------------|---|
| Alamance-Burlington | 20.83-  | Edgecombe            | 0.00=   | Chapel Hill-Carrboro | 0.00=   |
| Alexander           | 0.00=   | W-S/Forsyth          | 1.39-   | Pamlico              | 4.00=   |
| Alleghany           | 0.00=   | Franklin             | 10.64+  | Pasquotank           | 0.00=   |
| Anson               | 0.00=   | Gaston               | 13.95-  | Pender               | 4.30-   |
| Ashe                | 0.00=   | Gates                | 0.00=   | Perquimans           | 0.00=   |
| Avery               | 0.00=   | Graham               | 0.00=   | Person               | 1.39+   |
| Beaufort            | 4.21=   | Granville            | 2.83-   | Pitt                 | 1.61+   |
| Bertie              | 0.00=   | Greene               | 0.00=   | Polk                 | 0.00=   |
| Bladen              | 0.00=   | Guilford             | 10.42-  | Randolph             | 8.19+   |
| Brunswick           | 0.00=   | Halifax              | 0.00=   | Asheboro             | 15.79+  |
| Buncombe            | 30.50+  | Roanoke Rapids       | 0.00=   | Richmond             | 23.91-  |
| Asheville           | 10.34=  | Weldon City          | 0.00-   | Robeson              | 16.48-  |
| Burke               | 29.52-  | Harnett              | 1.28+   | Rockingham           | 2.44-   |
| Cabarrus            | 0.00=   | Haywood              | 14.86-  | Rowan-Salisbury      | 0.59-   |
| Kannapolis          | 3.23=   | Henderson            | 37.5+   | Rutherford           | 0.00=   |
| Caldwell            | 15.00=  | Hertford             | 5.56=   | Sampson              | 0.00=   |
| Camden              | 4.00=   | Hoke                 | 1.12+   | Clinton              | 3.85=   |
| Carteret            | 3.03+   | Hyde                 | 0.00=   | Scotland             | 2.70+   |
| Caswell             | 0.00=   | Iredell-Statesville  | 5.31+   | Stanly               | 21.15-  |
| Catawba             | 5.65+   | Mooresville          | 0.00=   | Stokes               | 1.12+   |
| Hickory             | 17.39=  | Jackson              | 0.00=   | Surry                | 0.00=   |
| Newton-Conover      | 33.33-  | Johnston             | 2.81+   | Elkin                | 0.00=   |
| Chatham             | 7.87=   | Jones                | 0.00=   | Mount Airy           | 0.00=   |
| Cherokee            | 8.51-   | Lee                  | 7.62+   | Swain                | 9.09-   |
| Edenton/Chowan      | 0.00=   | Lenoir               | 0.00-   | Transylvania         | 22.86-  |
| Clay                | 0.00=   | Lincoln              | 27.43+  | Tyrell               | 0.00=   |
| Cleveland           | 2.91-   | Macon                | 19.23+  | Union                | 4.60+   |
| Columbus            | 0.00=   | Madison              | 0.00=   | Vance                | 23.86=  |
| Whiteville          | 6.25+   | Martin               | 0.00=   | Wake                 | 11.17-  |
| Craven              | 23.38+  | McDowell             | 6.56=   | Warren               | 0.00=   |
| Cumberland          | 0.00=   | Charlotte-Meck.      | 0.00=   | Washington           | 0.00=   |
| Currituck           | 3.77+   | Mitchell             | 2.94+   | Watauga              | 0.00=   |
| Dare                | 13.95-  | Montgomery           | 10.17-  | Wayne                | 17.48-  |
| Davidson            | 0.60+   | Moore                | 0.00-   | Wilkes               | 28.09+  |
| Lexington           | 0.00=   | Nash-<br>Rocky Mount | 1.93+   | Wilson               | 4.90-   |
| Thomasville         | 7.69=   | New Hanover          | 0.53-   | Yadkin               | 4.69-   |
| Davie               | 17.81-  | Northampton          | 0.00=   | Yancey               | 0.00=   |
| Duplin              | 0.00=   | Onslow               | 4.02+   |                      |   |
| Durham              | 0.45-   | Orange               | 0.00-   | State Average        | 6.60-   |

# TIMS Service Indicators, 2010-2011: School Start Times, AM

A larger range of bell times makes it easier to use buses efficiently without revisiting the same school. Revisiting a school, as noted on pages 10 and 11, can be detrimental to service levels.

|                     | School Start Times |       |       | School Start Times   |       | Times |       | Scho                 | ol Start | Times |       |
|---------------------|--------------------|-------|-------|----------------------|-------|-------|-------|----------------------|----------|-------|-------|
| LEA                 | First              | Last  | Range | LEA                  | First | Last  | Range | LEA                  | First    | Last  | Range |
| Alamance-Burlington | 7:30               | 12:00 | 270+  | Edgecombe            | 7:40  | 9:15  | 95+   | Chapel Hill-Carrboro | 7:50     | 9:30  | 100+  |
| Alexander           | 7:45               | 8:15  | 30=   | W-S/Forsyth          | 7:15  | 9:15  | 120=  | Pamlico              | 7:50     | 8:00  | 10=   |
| Alleghany           | 7:50               | 8:10  | 20+   | Franklin             | 7:44  | 1:00  | 316+  | Pasquotank           | 7:45     | 8:40  | 55+   |
| Anson               | 7:20               | 8:25  | 65=   | Gaston               | 7:45  | 8:30  | 45=   | Pender               | 7:30     | 8:45  | 75=   |
| Ashe                | 7:55               | 8:00  | 5=    | Gates                | 8:00  | 8:05  | 5=    | Perquimans           | 8:00     | 8:10  | 10=   |
| Avery               | 7:50               | 8:15  | 25=   | Graham               | 7:50  | 8:00  | 10=   | Person               | 7:50     | 8:30  | 40=   |
| Beaufort            | 7:50               | 9:00  | 70=   | Granville            | 7:25  | 9:00  | 95+   | Pitt                 | 7:40     | 8:30  | 50=   |
| Bertie              | 7:35               | 8:20  | 45=   | Greene               | 8:00  | 8:00  | 0-    | Polk                 | 7:50     | 8:15  | 25=   |
| Bladen              | 7:40               | 8:05  | 25+   | Guilford             | 7:30  | 11:40 | 250+  | Randolph             | 7:50     | 8:05  | 15-   |
| Brunswick           | 7:45               | 8:05  | 20-   | Halifax              | 7:30  | 8:00  | 30=   | Asheboro             | 7:40     | 8:20  | 40=   |
| Buncombe            | 7:45               | 8:45  | 60=   | Roanoke Rapids       | 7:30  | 8:30  | 60+   | Richmond             | 8:00     | 10:30 | 150=  |
| Asheville           | 7:55               | 8:30  | 35-   | Weldon City          | 7:30  | 8:15  | 45=   | Robeson              | 7:30     | 8:10  | 40-   |
| Burke               | 7:40               | 8:25  | 45=   | Harnett              | 7:35  | 8:20  | 45-   | Rockingham           | 7:20     | 9:00  | 100=  |
| Cabarrus            | 7:15               | 9:30  | 135=  | Haywood              | 8:00  | 9:00  | 60=   | Rowan-Salisbury      | 7:20     | 9:35  | 135+  |
| Kannapolis          | 7:30               | 8:40  | 70=   | Henderson            | 7:50  | 8:30  | 40=   | Rutherford           | 7:30     | 8:45  | 75=   |
| Caldwell            | 7:50               | 8:30  | 40-   | Hertford             | 7:45  | 8:15  | 30-   | Sampson              | 7:45     | 8:30  | 45=   |
| Camden              | 7:55               | 8:20  | 25=   | Hoke                 | 7:50  | 9:00  | 70=   | Clinton              | 7:15     | 8:15  | 60-   |
| Carteret            | 7:30               | 8:15  | 45+   | Hyde                 | 7:45  | 7:55  | 10=   | Scotland             | 7:40     | 9:30  | 110+  |
| Caswell             | 7:45               | 8:30  | 45=   | Iredell-             | 7:30  | 9:00  | 90+   | Stanly               | 7:50     | 9:00  | 70=   |
| Catawba             | 7:30               | 8:55  | 85-   | Mooresville          | 7:30  | 8:45  | 75=   | Stokes               | 7:30     | 8:30  | 60=   |
| Hickory             | 7:20               | 9:00  | 100=  | Jackson              | 8:00  | 8:10  | 10=   | Surry                | 7:50     | 8:00  | 10=   |
| Newton-Conover      | 7:35               | 8:15  | 40+   | Johnston             | 7:10  | 11:00 | 230=  | Elkin                | 8:20     | 8:20  | 0=    |
| Chatham             | 7:50               | 8:00  | 10+   | Jones                | 7:30  | 8:05  | 35+   | Mount Airy           | 7:40     | 8:10  | 30=   |
| Cherokee            | 7:40               | 8:35  | 55=   | Lee                  | 7:30  | 8:00  | 30=   | Swain                | 7:50     | 8:05  | 15=   |
| Edenton/Chowan      | 7:55               | 8:00  | 5=    | Lenoir               | 7:45  | 8:15  | 30=   | Transylvania         | 8:00     | 8:20  | 20=   |
| Clay                | 8:00               | 8:00  | 0=    | Lincoln              | 7:45  | 8:30  | 45=   | Tyrell               | 7:45     | 7:50  | 5=    |
| Cleveland           | 7:40               | 9:00  | 80=   | Macon                | 7:30  | 8:30  | 60=   | Union                | 7:15     | 9:00  | 105=  |
| Columbus            | 7:45               | 9:15  | 90-   | Madison              | 8:00  | 8:20  | 20=   | Vance                | 7:50     | 9:00  | 70=   |
| Whiteville          | 7:50               | 9:10  | 80=   | Martin               | 7:25  | 8:10  | 45=   | Wake                 | 7:25     | 9:15  | 110-  |
| Craven              | 7:30               | 9:00  | 90=   | McDowell             | 7:45  | 8:31  | 46+   | Warren               | 7:55     | 8:30  | 35=   |
| Cumberland          | 7:30               | 9:30  | 120-  | Charlotte-Meck.      | 7:15  | 9:15  | 120=  | Washington           | 8:00     | 8:00  | 0=    |
| Currituck           | 7:30               | 8:30  | 60=   | Mitchell             | 7:20  | 8:30  | 70+   | Watauga              | 7:45     | 8:25  | 40-   |
| Dare                | 7:55               | 8:30  | 35+   | Montgomery           | 7:45  | 8:00  | 15=   | Wayne                | 7:30     | 10:50 | 200-  |
| Davidson            | 7:40               | 8:30  | 50=   | Moore                | 7:45  | 8:15  | 30=   | Wilkes               | 7:45     | 8:30  | 45-   |
| Lexington           | 7:30               | 8:20  | 50+   | Nash-<br>Rocky Mount | 7:40  | 10:30 | 170-  | Wilson               | 7:30     | 11:00 | 210+  |
| Thomasville         | 7:30               | 8:00  | 30+   | New Hanover          | 7:30  | 9:15  | 105=  | Yadkin               | 7:55     | 8:05  | 10-   |
| Davie               | 7:55               | 8:45  | 50=   | Northampton          | 7:30  | 8:00  | 30=   | Yancey               | 7:40     | 8:00  | 20=   |
| Duplin              | 7:30               | 8:20  | 50=   | Onslow               | 7:09  | 8:45  | 96+   |                      |          |       |       |
| Durham              | 7:00               | 11:00 | 240+  | Orange               | 7:30  | 8:45  | 75=   | State Median         | 7:40     | 8:30  | 68+   |

 $Source: \ NC\ Local\ Education\ Agencies\ 2010-2011\ TIMS\ Data.\ Compiled\ at\ UNC\ Charlotte\ Urban\ Institute.$ 

## TIMS Service Indicators, 2010-2011: Runs per Route, PM

Average Runs per Route: The average number of separate runs (trips) each bus makes in the afternoon. % of Routes >1 Run: The percentage of buses making more than one run in the afternoon. A bus is considered to have completed a run when it has unloaded

| LEA                 | Avg Runs<br>per Route | % Rtes > 1 Run | LEA                 | Avg Runs<br>per Route | % Rtes > 1 Run | LEA                  | Avg Runs<br>per Route | % Rtes > 1 Run |
|---------------------|-----------------------|----------------|---------------------|-----------------------|----------------|----------------------|-----------------------|----------------|
| Alamance-Burlington | 1.50-                 | 47.44-         | Edgecombe           | 1.06=                 | 6.14=          | Chapel Hill-Carrboro | 2.84+                 | 98.28+         |
| Alexander           | 1.00=                 | 0.00=          | W-S/Forsyth         | 2.70-                 | 98.33+         | Pamlico              | 1.08=                 | 8.00=          |
| Alleghany           | 1.00-                 | 0.00-          | Franklin            | 1.29+                 | 27.45+         | Pasquotank           | 1.48+                 | 47.83+         |
| Anson               | 1.26+                 | 23.61+         | Gaston              | 1.59-                 | 56.28+         | Pender               | 1.40-                 | 33.33-         |
| Ashe                | 1.09+                 | 8.89+          | Gates               | 1.00=                 | 0.00=          | Perquimans           | 1.00=                 | 0.00=          |
| Avery               | 1.03+                 | 21.88+         | Graham              | 1.00=                 | 0.00=          | Person               | 1.00-                 | 8.33-          |
| Beaufort            | 1.24+                 | 22.55+         |                     | 1.42-                 | 37.74-         | Pitt                 | 1.49+                 | 49.31+         |
| Bertie              | 1.24+                 | 0.00=          | Granville<br>Greene | 1.42-                 | 9.62=          | Polk                 | 1.49+                 | 0.00=          |
|                     |                       |                |                     |                       |                |                      |                       |                |
| Bladen              | 1.00=                 | 0.00=<br>0.00= | Guilford<br>Halifax | 2.22+<br>1.00=        | 90.06+         | Randolph             | 1.10+                 | 9.36+          |
| Brunswick           | 1.00=                 |                |                     |                       |                | Asheboro             | 2.16+                 | 100.00=        |
| Buncombe            | 1.52+                 | 47.1+          | Roanoke Rapids      | 2.25=                 | 91.67=         | Richmond             | 1.28-                 | 28.26-         |
| Asheville           | 2.17=                 | 96.55=         | Weldon              | 1.93+                 | 66.67+         | Robeson              | 1.21+                 | 18.73-         |
| Burke               | 1.34-                 | 33.33-         | Harnett             | 1.20+                 | 20+            | Rockingham           | 1.24-                 | 24.26-         |
| Cabarrus            | 3.07+                 | 99.56+         | Haywood             | 1.22-                 | 21.62-         | Rowan-Salisbury      | 1.48+                 | 45.21+         |
| Kannapolis          | 2.71+                 | 100+           | Henderson           | 1.36+                 | 34.23+         | Rutherford           | 1.22+                 | 22.33+         |
| Caldwell            | 1.48=                 | 45.83+         | Hertford            | 1.07=                 | 6.94=          | Sampson              | 1.03=                 | 2.96=          |
| Camden              | 1.00=                 | 0.00=          | Hoke                | 1.93+                 | 92.13+         | Clinton              | 1.35-                 | 34.62-         |
| Carteret            | 1.06-                 | 6.06-          | Hyde                | 1.00=                 | 0.00=          | Scotland             | 1.38-                 | 36.49-         |
| Caswell             | 1.00=                 | 0.00=          | Iredell-Statesville | 1.76+                 | 71.5+          | Stanly               | 1.31-                 | 26.92-         |
| Catawba             | 1.24=                 | 23.83-         | Mooresville         | 2.00+                 | 100+           | Stokes               | 1.22+                 | 22.47+         |
| Hickory             | 2.30=                 | 91.30=         | Jackson             | 1.00=                 | 0.00=          | Surry                | 1.00-                 | 0.00-          |
| Newton-Conover      | 1.45=                 | 44.83=         | Johnston            | 2.00+                 | 69.12+         | Elkin                | 2.00=                 | 100.00=        |
| Chatham             | 1.08=                 | 7.78=          | Jones               | 1.00=                 | 0.00=          | Mount Airy           | 1.00=                 | 0.00=          |
| Cherokee            | 1.09-                 | 8.51-          | Lee                 | 1.23+                 | 21.9+          | Swain                | 1.09-                 | 9.09-          |
| Edenton/Chowan      | 1.00=                 | 0.00=          | Lenoir              | 1.11-                 | 11.11-         | Transylvania         | 1.23-                 | 22.86-         |
| Clay                | 1.00=                 | 0.00=          | Lincoln             | 1.30-                 | 28.32-         | Tyrell               | 1.00=                 | 0.00=          |
| Cleveland           | 1.03-                 | 2.91-          | Macon               | 1.19+                 | 19.23+         | Union                | 2.54-                 | 97.85+         |
| Columbus            | 1.08+                 | 7.56+          | Madison             | 1.00=                 | 0.00=          | Vance                | 1.31+                 | 26.14=         |
| Whiteville          | 1.21+                 | 17.86+         | Martin              | 1.00=                 | 0.00=          | Wake                 | 2.67+                 | 94.19-         |
| Craven              | 1.34+                 | 28.57+         | McDowell            | 1.06=                 | 5.88=          | Warren               | 1.00=                 | 0.00=          |
| Cumberland          | 1.61+                 | 59.52+         | Charlotte-Meck.     | 2.76+                 | 98.88+         | Washington           | 1.00=                 | 0.00=          |
| Currituck           | 1.25-                 | 24.53-         | Mitchell            | 1.06+                 | 5.88+          | Watauga              | 1.31-                 | 30.95-         |
| Dare                | 1.23-                 | 23.26-         | Montgomery          | 1.10+                 | 10.17+         | Wayne                | 1.28-                 | 26.29-         |
| Davidson            | 1.26-                 | 25.81-         | Moore               | 1.00-                 | 0.00-          | Wilkes               | 1.26+                 | 25.77+         |
| Lexington           | 2.05-                 | 77.27-         | Nash-               | 1.33+                 | 30.92+         | Wilson               | 1.52+                 | 42.86+         |
| Thomasville         | 2.08-                 | 100.00=        | New Hanover         | 1.76+                 | 71.81-         | Yadkin               | 1.11+                 | 4.69-          |
| Davie               | 1.18-                 | 17.81-         | Northampton         | 1.00=                 | 0.00=          | Yancey               | 1.05+                 | 5.13+          |
| Duplin              | 1.01=                 | 0.86=          | Onslow              | 1.66-                 | 56.00-         |                      | 1.00                  | 3.13           |
| Durham              | 1.99+                 | 95.47+         | Orange              | 1.68+                 | 63.08+         | State Average        | 1.68+                 | 48.27+         |
| Duillalli           | 1.33+                 | 33.4/+         | Oralige             | 1.00+                 | 03.06+         | State Average        | 1.007                 | 40.2/+         |

 $Source: \ NC\ Local\ Education\ Agencies\ 2010-2011\ TIMS\ Data.\ Compiled\ at\ UNC\ Charlotte\ Urban\ Institute.$ 

#### 2010-2011 TIMS Service Indicator Report

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