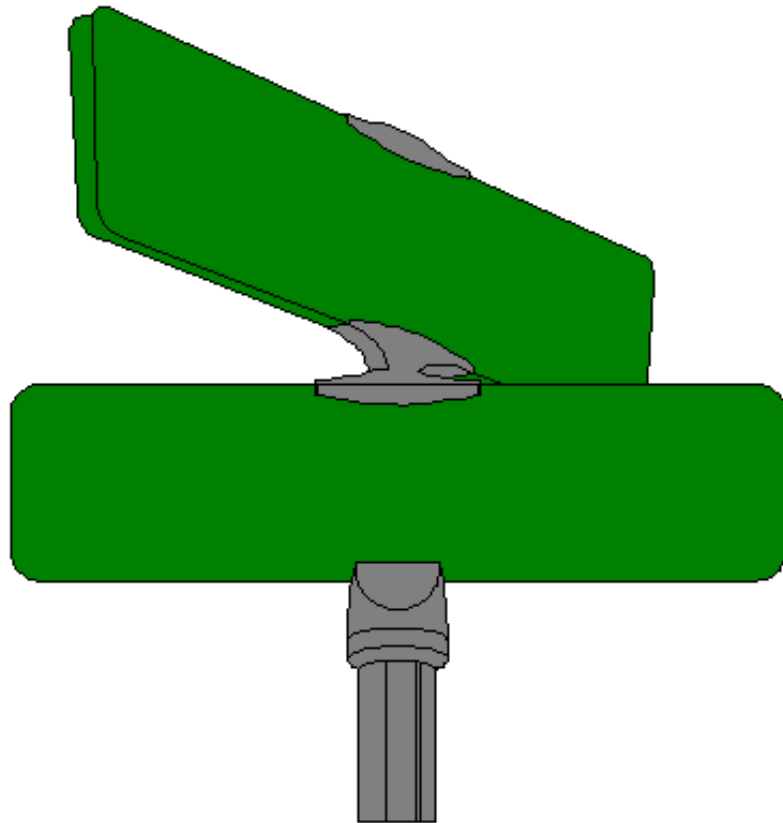


Chapter 4

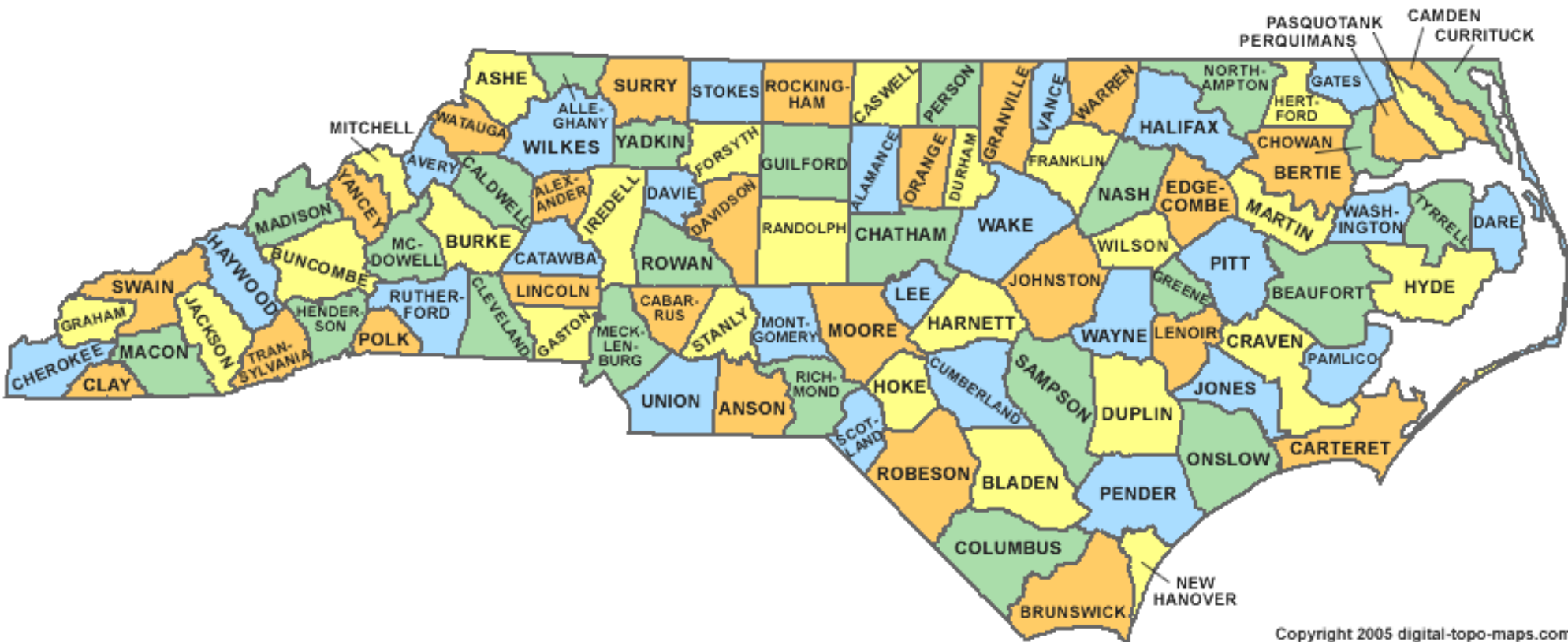
Feature Names, Codes, and Secondary Roads



North Carolina



Counties



County Numbers

County	Code
Alamance	0
Alexander	1
Alleghany	2
Anson	3
Ashe	4
Avery	5
Beaufort	6
Bertie	7
Bladen	8
Brunswick	9
Buncombe	10
Burke	11
Cabarrus	12
Caldwell	13
Camden	14
Carteret	15
Caswell	16
Catawba	17
Chatham	18
Cherokee	19
Chowan	20
Clay	21
Cleveland	22
Columbus	23
Craven	24

County	Code
Cumberland	25
Currituck	26
Dare	27
Davidson	28
Davie	29
Duplin	30
Durham	31
Edgecombe	32
Forsyth	33
Franklin	34
Gaston	35
Gates	36
Graham	37
Granville	38
Greene	39
Guilford	40
Halifax	41
Harnett	42
Haywood	43
Henderson	44
Hertford	45
Hoke	46
Hyde	47
Iredell	48
Jackson	49

County	Code
Johnston	50
Jones	51
Lee	52
Lenoir	53
Lincoln	54
Macon	55
Madison	56
Martin	57
McDowell	58
Mecklenburg	59
Mitchell	60
Montgomery	61
Moore	62
Nash	63
New Hanover	64
Northampton	65
Onslow	66
Orange	67
Pamlico	68
Pasquotank	69
Pender	70
Perquimans	71
Person	72
Pitt	73
Polk	74

County	Code
Randolph	75
Richmond	76
Robeson	77
Rockingham	78
Rowan	79
Rutherford	80
Sampson	81
Scotland	82
Stanly	83
Stokes	84
Surry	85
Swain	86
Transylvania	87
Tyrrell	88
Union	89
Vance	90
Wake	91
Warren	92
Washington	93
Watauga	94
Wayne	95
Wilkes	96
Wilson	97
Yadkin	98
Yancey	99

Divisions



NCDOT Divisions

Types of Roads

The State Highway System (SHS) of North Carolina has three types of roads:

- Interstate Routes (I)
- Primary Routes (US and NC)
- Secondary Routes (SR)

In general, the interstate routes and primary routes will not be on the same pavement as secondary routes (and vice versa)

8-Digit Code

The 8-digit code specifies state-maintained primary and secondary roads, local routes, and political boundaries (municipal, county, and state).



8-Digit Code Examples

10000040 - I 40

1 - Interstate

0 - None

0 - Not a couplet

00040 - Route number 40

19000040 - I 40 Business

1 - Interstate

9 - Business route

0 - Not a couplet

00040 - Route number 40

50018682 - Main St.

5 - City Street

0 - None

0 - Not a couplet

18682 - Route number for Main St

20000064 - US 64

2 - US Route

0 - None

0 - Not a couplet

00064 - Route number 64

21000064 - US 64 Alternate

2 - US Route

1 - Alternate

0 - Not a couplet

00064 - Route number 64

40001001 - SR 1001

4 - Secondary Route

0 - Alternate

0 - Not a couplet

01001 - Route number 1001

70000009 - Brunswick County Line

7 - County Boundary

0 - None

0 - Not a couplet

00009 - County number 9 (Brunswick Co)

90000438 - Raleigh City Limits

9 - City Boundary

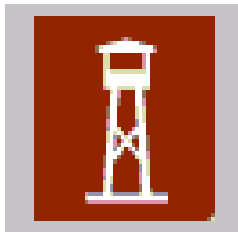
0 - None

0 - Not a couplet

00438 - City number 438 for Raleigh

Features Names and Codes

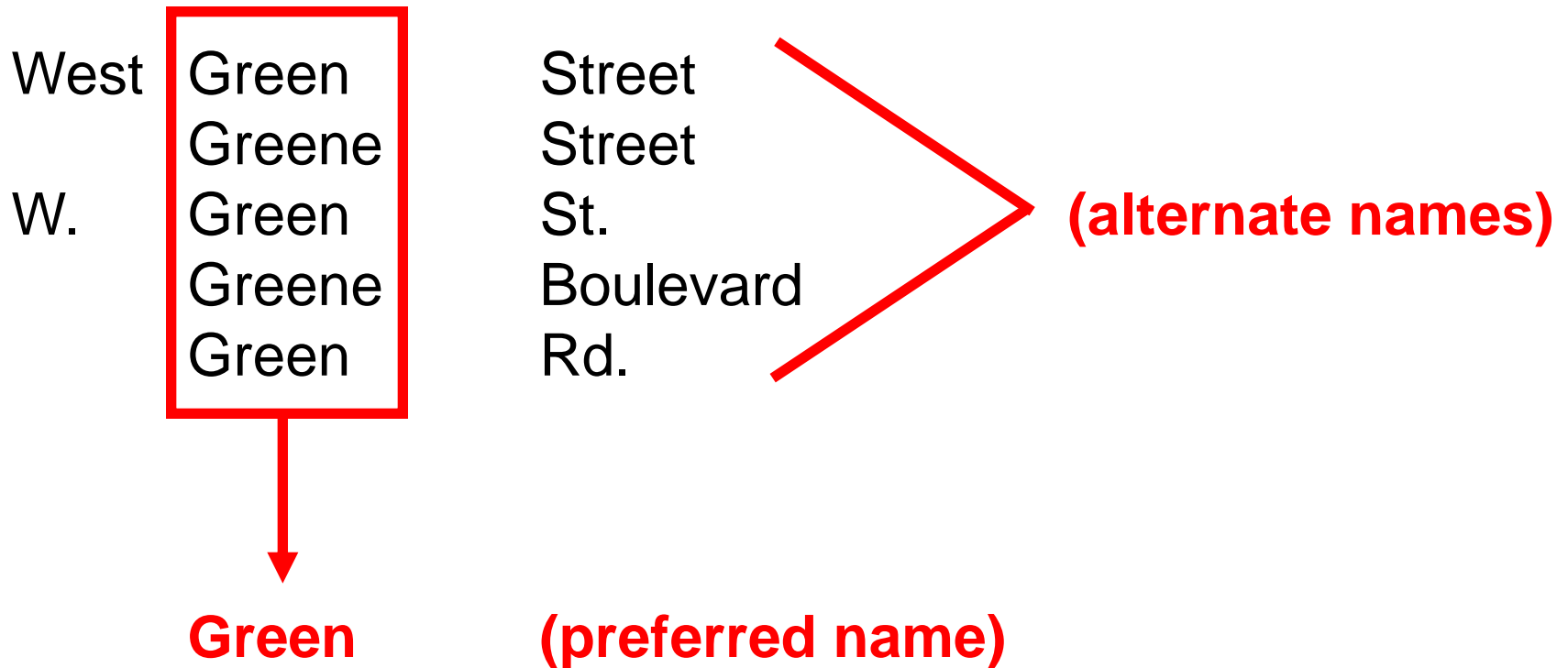
- Used to search for and view 8-digit codes and associated text for primary roads (I, US, NC), secondary roads (SR), local street names, and political boundaries.
- Access the “Street and Feature Name” screen by selecting the following:



⇒ **Street and Features Name**

Features Names and Codes (Cont.)

TEAAS only looks at the “root” spelling of a name and combines similar spellings and similar sounding names into one “preferred” name. All other related names are combined under the “preferred” name as “alternate” names.



Features Names and Codes (Cont.)

To search for feature names and codes

- Click the “**Search**” icon
- Enter search criteria
- Leave any criteria blank if they are not part of the search
- Click the “**GO**” icon

TEAS - Lookup - Street and Feature Names

Edit Help

Feature Code Components

Route Type [dropdown]

Special Route [dropdown]

Couplet Direction [dropdown]

Boundary [dropdown]

Route Number [text]

Feature

Code [text]

Name [text]

Preferred Name [text]

Preferred Name

Alternate Name

Last Update

User ID [text]

Date/Time [text]

1 of 1

Search Icon

GO Icon

Select a specific Route Type

Select a specific Special Route

Select a specific Couplet Direction

Select a specific Boundary

Specify 5-digit route number. Wildcard characters may be used to search for one or more route. Refer to *Appendix D* for use of wildcard characters.

Select Preferred Name/Alternate Name

Specify 8-digit feature code. Wildcard characters may be used to search for one or more feature.

Enter a specific name or use wildcard characters to search for one or more names.

Feature Names and Codes (Cont.)

Route Type - Interstate, NC Route, County Boundary, etc.

Special Route - Alternate, Business, Truck, etc.

Couplet Direction - North, South, East, West

Boundary -

County Names (when Route Type = County Boundary)

Municipality names (when Route Type = Municipal Boundary)

Route Number - 5 digit route/county/municipal/state code.

Code - Complete 8 digit feature code

Preferred Name - Preferred Spelling of the Feature Name

- County name, preceded with **CL-** (i.e. **CL-Wake**)
- Municipality name, preceded with **ML-** (i.e. **ML-Raleigh**)
- 2 character state abbreviation, preceded with **SL-** (i.e. **SL-Va**)

Features Names and Codes (Cont.)

Wildcard characters for searches:

Asterisk (*) or percent (%) symbols can be used to represent multiple characters. An example would be “*RALEIGH” which would return approximately 20 different features ranging from “DURALEIGH” to “ML-RALEIGH”.

Question marks (?) can be used to represent single characters. An example would be “ML?RALEIGH” which would only return “ML-RALEIGH”.

Feature Names and Codes (Cont.)

It is possible to search for records using any of the fields that become enabled with the “**Search**” icon.

Example:

Step A: Click on the “**Search**” icon

Step B: Enter a route type such as “Municipal boundary”

Step C: Enter feature name such as “*Raleigh”

Step D: Click the “**GO**” icon.

Step E: Click “**OK**” on the dialog box

The information in the database about Raleigh municipal boundaries will be displayed on the “Street and Feature Names” screen.

Feature Names and Codes - Example 1

Suppose you wanted to search for all instances of “**Green St**” in the feature database:

Step A: Click on the “**Search**” icon

Step B: Enter feature name (Green St)

Step C: Click the “**GO**” icon.

Step A

TEAAS - Lookup - Street and Feature Names

Edit Help

Feature Code Components

Route Type

Special Route

Couplet Direction

Boundary

Route Number

Feature

Code

Name

Preferred Name

Preferred Name

Alternate Name

Last Update

User ID

Date/Time

1 of 1

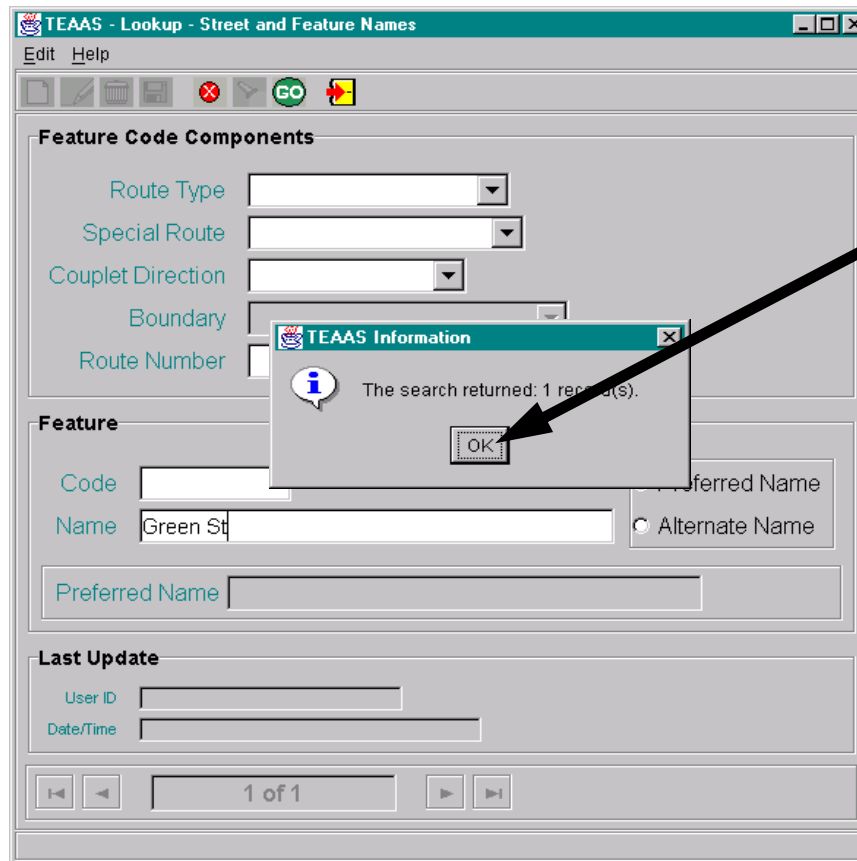
Step C

Step B

Feature Names and Codes - Example 1

- If matching records are found, a dialog box will indicate the number of records (note - using wildcards may return more than one record).
- If matching records are not found, try searches using alternate spellings, abbreviations, wildcards, etc.

Step D: Click on the “**OK**” button and view the records.



Step D

Feature Names and Codes - Example 1

The screenshot shows a software window titled "TEAAS - Lookup - Street and Feature Names". It contains several sections with form fields and dropdown menus. Arrows from external text point to specific fields: "Local street" (Route Type), "None" (Special Route), "Not a couplet" (Couplet Direction), "12434" (Route Number), "50012434" (Code), "GREEN ST" (Name), "GREEN" (Preferred Name), and "GREEN" (Preferred Name).

Field	Value
Route Type	Local street
Special Route	None
Couplet Direction	Not a couplet
Boundary	
Route Number	12434
Code	50012434
Name	GREEN ST
Preferred Name	GREEN
User ID	TEAAS CONVERSION
Date/Time	12 August 1999 01:07 PM

It is a local street

It is not a special route

It is not a couplet

Route code is 12434

8-digit code is 50012434

Indicates "Green St" is an alternate spelling of another name in the database

The name you searched

Preferred name for "Green St" is "Green" (Codes are the same).

Feature Names and Codes - Example 2

Suppose you wanted to search for all instances of **50012434** in the feature database:

Step A: Click on the “**Search**” icon

Step B: Enter feature code (50012434)

Step C: Click the “**GO**” icon.

Step A

Step B

Step C

Feature Names and Codes - Example 2

- If matching records are found, a dialog box will indicate the number of records.
- If matching records are not found, try different search criteria.

Step D: Click on the “**OK**” button to view the records.

The screenshot shows the TEAAS - Lookup - Street and Feature Names application window. The window has a menu bar with 'Edit' and 'Help', and a toolbar with icons for file operations and search. The main area is divided into sections: 'Feature Code Components' with dropdown menus for Route Type, Special Route, Couplet Direction, Boundary, and Route Number; 'Feature' with a Code field containing '50012434', Name, Preferred Name, and Alternate Name; and 'Last Update' with User ID and Date/Time fields. A dialog box titled 'TEAAS Information' is overlaid on the window, displaying the message 'The search returned: 163 record(s).' and an 'OK' button. An arrow points from the 'OK' button to the text 'Step D'.

Step D

Feature Names and Codes Exercise 1

1. What is the 8-digit code for Wilson Street?
2. What is the feature with an 8-digit code of 70000057?
3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?
4. What is the feature with an 8-digit code of 50018682?

Feature Names and Codes Exercise 1

1. What is the 8-digit code for Wilson Street?
50033187
2. What is the feature with an 8-digit code of 70000057?
3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?
4. What is the feature with an 8-digit code of 50018682?

Feature Names and Codes Exercise 1

1. What is the 8-digit code for Wilson Street?

50033187

2. What is the feature with an 8-digit code of 70000057?

CL-MARTIN (Martin County Line)

3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?

4. What is the feature with an 8-digit code of 50018682?

Feature Names and Codes Exercise 1

1. What is the 8-digit code for Wilson Street?

50033187

2. What is the feature with an 8-digit code of 70000057?

CL-MARTIN (Martin County Line)

3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?

90000428

4. What is the feature with an 8-digit code of 50018682?

Feature Names and Codes Exercise 1

1. What is the 8-digit code for Wilson Street?

50033187

2. What is the feature with an 8-digit code of 70000057?

CL-MARTIN (Martin County Line)

3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?

90000428

4. What is the feature with an 8-digit code of 50018682?

MAIN

Feature Names and Codes Exercise 2

1. What is the 8-digit code for “James St”?
2. What is the 8-digit code for the state line of Georgia (SL-GA)?
3. How many different versions of the road name defined by 8-digit code 50013456 are there?
4. What is the preferred name for the road defined by 8-digit code 50013456?

Feature Names and Codes Exercise 2

1. What is the 8-digit code for “James St”?

50015249

2. What is the 8-digit code for the state line of Georgia (SL-GA)?

3. How many different versions of the road name defined by 8-digit code 50013456 are there?

4. What is the preferred name for the road defined by 8-digit code 50013456?

Feature Names and Codes Exercise 2

1. What is the 8-digit code for “James St”?

50015249

2. What is the 8-digit code for the state line of Georgia (SL-GA)?

80000006

3. How many different versions of the road name defined by 8-digit code 50013456 are there?

4. What is the preferred name for the road defined by 8-digit code 50013456?

Feature Names and Codes Exercise 2

1. What is the 8-digit code for “James St”?

50015249

2. What is the 8-digit code for the state line of Georgia (SL-GA)?

80000006

3. How many different versions of the road name defined by 8-digit code 50013456 are there?

17

4. What is the preferred name for the road defined by 8-digit code 50013456?

Feature Names and Codes Exercise 2

1. What is the 8-digit code for “James St”?

50015249

2. What is the 8-digit code for the state line of Georgia (SL-GA)?

80000006

3. How many different versions of the road name defined by 8-digit code 50013456 are there?

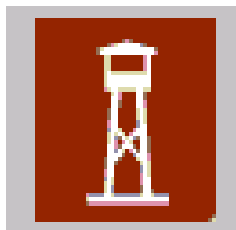
17

4. What is the preferred name for the road defined by 8-digit code 50013456?

HAYDEN

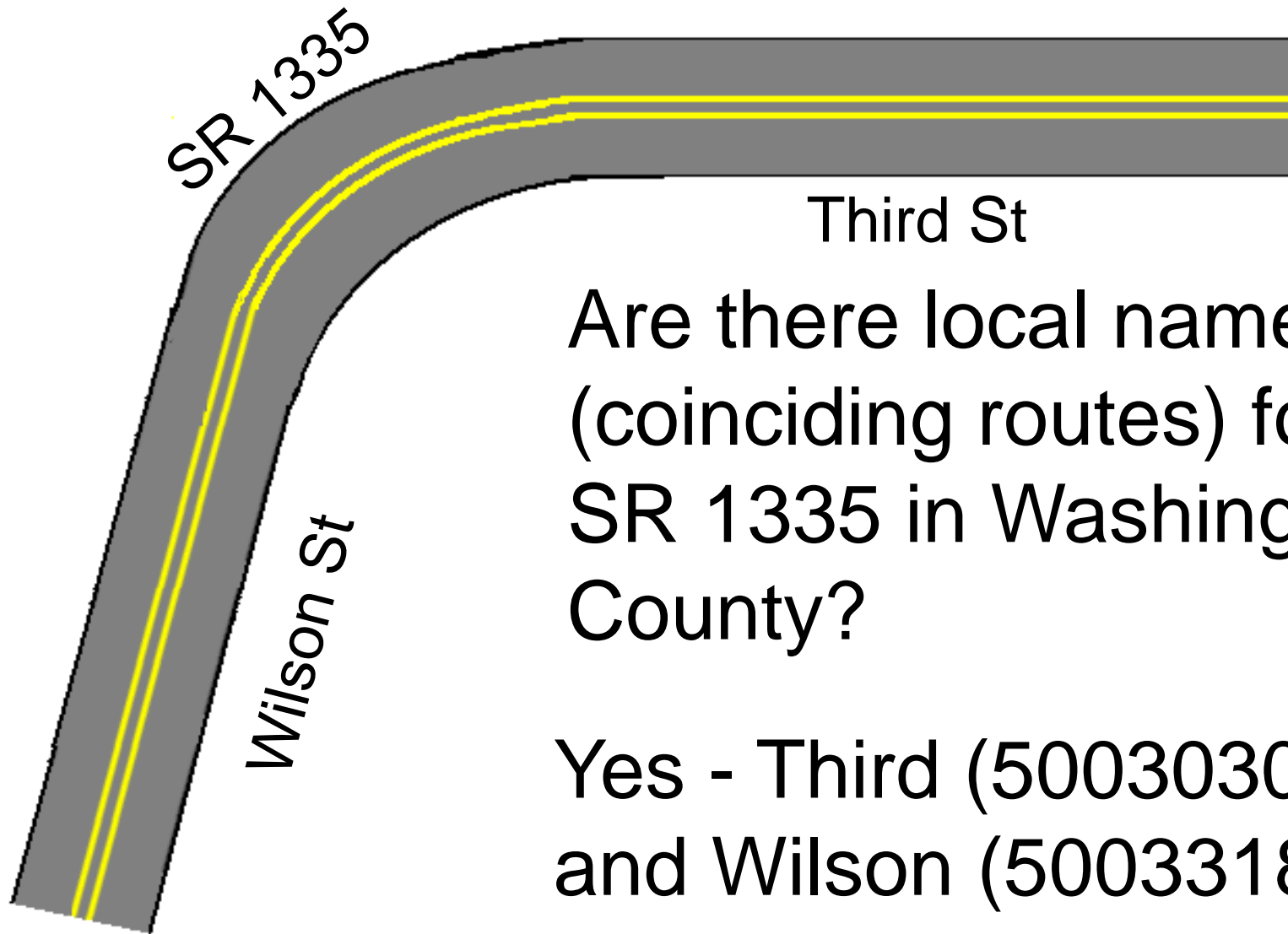
Secondary Roads

- Used to search for and view local street names attached to secondary roads (SR) within each county.
- Secondary roads are county specific.
- Some secondary roads may have more than one local name attached to them within a county.
- Access the “Secondary Routes” screen by selecting the following:



⇒ Secondary Routes

Secondary Roads (Cont.)



Are there local names
(coinciding routes) for
SR 1335 in Washington
County?

Yes - Third (50030308)
and Wilson (50033187).

The “Secondary Routes” screen may be able to answer this question.

Secondary Roads (Cont.)

To search for secondary routes

- Click the “**Search**” icon
- Enter search criteria
- Leave criteria blank if they are not part of the search
- Click the “**GO**” icon

TEAAS - Lookup - Secondary Routes

Edit Help

Secondary Route

County

Road Code

Alternate Road Text

City Street Code

Last Update

User ID

Date/Time

0 of 0

Search Icon

GO Icon

County

Secondary road's 8-digit code

Local road's name

Local road's 8-digit code

Secondary Roads - Example 1

Suppose you wanted to search for the street names attached to SR 1822 in Wake County.

Step A: Click on the “**Search**” icon

Step B: Enter the county (Wake)

Step C: Enter the secondary road’s 8-digit code (40001822)

Step D: Click the “**GO**” icon.

The screenshot shows a software window titled "TEAAS - Lookup - Secondary Routes". The window has a menu bar with "Edit" and "Help". Below the menu bar is a toolbar with several icons, including a green circular icon with "GC" inside. The main area of the window contains a form with the following fields:

- Secondary Route**
 - County: WAKE (dropdown menu)
 - Road Code: 40001822 (text input)
 - Alternate Road Text: (empty text input)
 - City Street Code: (empty text input)
- Last Update**
 - User ID: (empty text input)
 - Date/Time: (empty text input)

At the bottom of the window, there are navigation buttons and a page indicator showing "1 of 1".

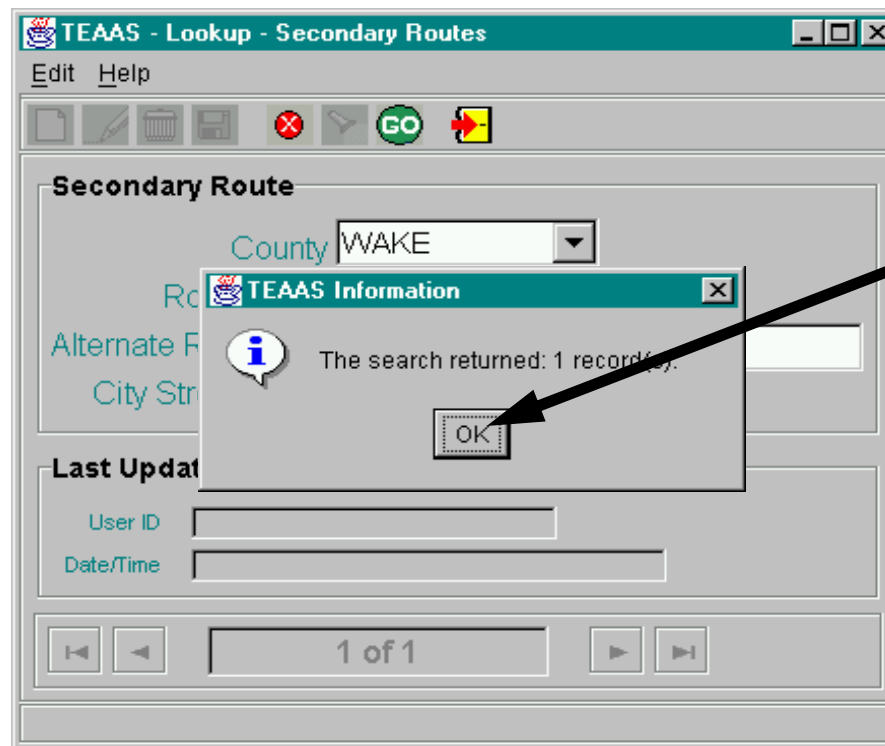
Arrows from the text labels point to the following elements in the screenshot:

- Step A** points to the green "GC" icon in the toolbar.
- Step B** points to the "County" dropdown menu.
- Step C** points to the "Road Code" text input field.
- Step D** points to the yellow "GO" icon in the toolbar.

Secondary Roads - Example 1

- If matching records are found, a dialog box will indicate the number of records (note - using wildcards may return more than one record).
- If no matches, check your search criteria.

Step E: Click on the “**OK**” button to view the records.



Step E

Reading the Secondary Routes Screen

TEAAS - Lookup - Secondary Routes

Edit Help

Secondary Route

County WAKE

Road Code 40001822

Alternate Road Text MILLBROOK

City Street Code 50020092

Last Update

User ID TEAAS CONVERSION

Date/Time 07 August 1999 03:16 AM

1 of 1

County

8-digit code for SR 1822

Local name attached to SR 1822 in Wake County.

8-digit code for the local name (Millbrook) attached to the secondary road.

Secondary Roads - Example 2

Suppose you wanted to search for secondary roads attached to Millbrook in Wake County.

Step A: Click on the “**Search**” icon

Step B: Enter the county (Wake)

Step C: Enter the local name (Millbrook)

Step D: Click the “**GO**” icon.

Step A

TEAAS - Lookup - Secondary Routes

Edit Help

Secondary Route

County WAKE

Road Code

Alternate Road Text MILLBROOK

City Street Code

Last Update

User ID

Date/Time

1 of 1

Step D

Step B

Step C

Secondary Roads - Example 2

The image displays four overlapping screenshots of the TEAAS - Lookup - Secondary Routes application window. Each window shows a record for a secondary road in Wake County. The records are:

- 40001822 (SR 1822)
- 40002018 (SR 2018)
- 40002108 (SR 2108)
- 40002118 (SR 2118)

Each window includes fields for County (WAKE), Road Code, Alternate Road Text, City Street Code, and Last Update (User ID, Date/Time). The bottom-most window shows the record for SR 2118 with an Alternate Road Text of 'MILLBROOK' and a City Street Code of '50020092'. The bottom-most window also shows a pagination indicator '4 of 4'.

There are four (4) different secondary roads listed for "Millbrook" in Wake County

Secondary Routes – Wild Cards

The data in this module includes both current and historical information. However, the historical information was imported from many various sources so very little quality control was involved. Therefore, **liberal use of wildcard characters (* or %)** is recommended when using the “Alternate Road Text” field for searching.

The screenshot shows the TEAAS - Lookup - Secondary Routes interface. The 'Secondary Route' section has the following fields:

- County: BURKE-11
- Road Code: [Empty]
- Alternate Road Text: %MAIN%
- City Street Code: [Empty]

The 'Last Update' section has the following fields:

- User ID: [Empty]
- Date/Time: [Empty]

The interface shows 18 of 218 records. Three arrows point from the 'Secondary Route' section to three search results:

County	Road Code	Alternate Road Text	City Street Code
BURKE-11	40001630	MAIN AVE NW	50018682
BURKE-11	40001640	MAIN AVENUE NW	50018682
BURKE-11	40002332	MAIN STREET	50018682

Secondary Road Exercise

1. What is the local name associated with SR 1348 in Washington County?
2. What is the secondary road associated with “Long Ridge” in Washington County?
3. How many local names are associated with SR 1335 in Washington County?
4. What is the secondary road associated with “Poplar” in Wake County?

Secondary Road Exercise

1. What is the local name associated with SR 1348 in Washington County?

CENTER

2. What is the secondary road associated with “Long Ridge” in Washington County?

3. How many local names are associated with SR 1335 in Washington County?

4. What is the secondary road associated with “Poplar” in Wake County?

Secondary Road Exercise

1. What is the local name associated with SR 1348 in Washington County?

CENTER

2. What is the secondary road associated with “Long Ridge” in Washington County?

SR 1100

3. How many local names are associated with SR 1335 in Washington County?

4. What is the secondary road associated with “Poplar” in Wake County?

Secondary Road Exercise

1. What is the local name associated with SR 1348 in Washington County?

CENTER

2. What is the secondary road associated with “Long Ridge” in Washington County?

SR 1100

3. How many local names are associated with SR 1335 in Washington County?

2 - “THIRD” and “WILSON”

4. What is the secondary road associated with “Poplar” in Wake County?

Secondary Road Exercise

1. What is the local name associated with SR 1348 in Washington County?

CENTER

2. What is the secondary road associated with “Long Ridge” in Washington County?

SR 1100

3. How many local names are associated with SR 1335 in Washington County?

2 - “THIRD” and “WILSON”

4. What is the secondary road associated with “Poplar” in Wake County?

SR 2792

Secondary Roads (Cont.)

Secondary Roads Database Lookup: <https://apps.dot.state.nc.us/srlookup/>

The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying <https://apps.dot.state.nc.us/srlookup/>. The page title is "Cannot find server - Microsoft Internet Explorer". The browser's address bar shows the URL, and the page content is the NCDOT Secondary Roads Database Lookup interface.

The NCDOT logo is visible at the top left, with the text "NCDOT NORTH CAROLINA DEPARTMENT OF TRANSPORTATION" and the tagline "Connecting people and places in North Carolina — safely and efficiently, with accountability and environmental sensitivity." The navigation menu includes "About", "Careers", "Contact", "News", and "Search!". The main navigation bar has tabs for "Doing Business", "Maps & Publications", "Programs", "Projects & Studies", and "Travel Information".

The "Secondary Roads Database Lookup" section features a search form with the following fields:

- Search for a Secondary Road: (text input)
- Division Number: (dropdown menu, currently set to "All")
- County: (dropdown menu, currently set to "All")
- Road Number: (text input)
- Road Name: (text input)
- Submit: (button)

The footer of the page contains the text "© Copyright NCDOT 2007 NCDOT Home | NC.gov".

The Windows taskbar at the bottom shows the Start button, several open applications (Inbox - Microsoft Outlook, S:\TSU\TSU Super\J..., Microsoft PowerPoint, TEAAS training mate..., TEAAS_Training_Mat...), and the system tray with the time 11:52 AM.

Do not use this resource as it is not always kept current and does not contain historical information.