

NCRoutes Field Descriptions

General Notes:

The ALRS Route supports a dominant route (1) only for both NCDOT on system and county routes. The 11-Digit RouteID Number is the 8-Digit Route Number with a three digit sap county code at the end. Fields dropped from the previous output product will be listed in the 'Removed Fields' section.

The Data Owner is the group that is responsible for maintaining that data item. There may be one or more additional business owners associated with that information, but the Data Owner should be the first group to contact when there is a question about the data in this layer.

Domains are represented as coded values and descriptions. The geodatabase version of the file contains the descriptions. The shapefile version contains the values, which tend to be abbreviated or numeric versions of the description. If the geodatabase table is exported, the resulting table will contain the values.

The NCRoutes is a dual-carriageway system meaning that divided roads (roads with medians) are represented as two separate lines and undivided roads are represented as a single line.

Table of Contents

General Notes:	1
Field Definitions:.....	3
1. OBJECTID.....	3
2. Shape	3
3. Division	3
4. MaintCntyCode	3
5. RouteID.....	3
6. RouteClass.....	4
7. RouteNumber.....	4
8. RouteQualifier	4
9. RouteInventory.....	5
10. RouteName	5
11. BeginMP	6
12. EndMP	6
13. RouteMaintCode	6
Removed Fields	6
1. NonMonotonic.....	6

Field Definitions:

1. OBJECTID

Common Name	Object Identifier
Definition	A unique number that is automatically generated for each segment
Data Owner	GIS Unit
Extent	Every Segment
Values	Positive numbers
Notes	The Object Identifier changes with each publication.

2. Shape

Common Name	Shape
Definition	Stores the geometry information for each segment and is used by GIS software to display the line
Data Owner	GIS Unit
Extent	Every Segment
Values	Polyline

3. Division

Common Name	Division
Definition	The NCDOT Division number for each route segment
Data Owner	NC DOT
Extent	Every Segment
Values	Data Type = numeric; Data Range from 1-14
Notes	

4. MaintCntyCode

Common Name	Maintenance County Name (Sap County Code)
Definition	For state-maintained roads, it is the county responsible for maintaining the section of road. For non-state maintained roads, it is the county that the segment is located in.
Data Owner	GIS Unit
Extent	Every segment
Values	Coded domain – see the metadata or contact the GIS Unit for a full list of codes
Notes	This is the primary county field that should be used. In general all three county fields will have the same value. The exceptions are around the county boundaries. For example, a portion of SR-1828 has a Maintenance County of Iredell County and a Location County of Yadkin County where it crosses the county boundary into Yadkin County. This route should be considered SR-1828 Iredell County even though it is physically located in Yadkin County. The domain for the county codes is not listed here because it is so long. The coded values begin with 001 for Alamance County and end with 100 for Yancey County. These are the state codes (for roads that are maintained by NCDOT but cross the state boundary): Georgia – 901, South Carolina – 902, Tennessee – 903, Virginia – 904.

5. RouteID

Common Name	MilePoint ID
Definition	The 11-digit composite route number

Data Owner	GIS Unit
Extent	Every segment
Values	Positive 11-digit numbers (text field)
Notes	It uniquely identifies routes statewide and should be used as the route identifier when performing LRS analysis using route/milepost referencing.

6. RouteClass

Common Name	Route Class
Definition	The NCDOT route class code for Dominant Route
Data Owner	GIS Unit
Extent	Every segment except for gap segments
Values	Coded domain
Notes	Route Class drives the 1 st digit of the RouteID.

Domain:

Value	Description	Notes
1	Interstate (I)	State-maintained
2	US Route (US)	State-maintained
3	NC Route (NC)	State-maintained
4	Secondary Route (SR)	State-maintained
5	Non-System (NS)	Not state maintained
6	Other State Agency Route (SA)	Federal-aid roads maintained by other state agencies
7	Federal Route (FED)	Federal-aid roads maintained by federal agencies
80	Ramp (RMP)	Typically state-maintained but not counted towards state-maintained mileage
81	Rest Areas (RST)	Typically state-maintained but not counted towards state-maintained mileage
82	Non-System Ramp	Not State Maintained
9	Projected (PRJ)	Generalized locations of major facilities that have not yet been built

7. RouteNumber

Common Name	Route Number
Definition	The NCDOT route number for the Dominant Route
Data Owner	GIS Unit
Extent	Every segment
Values	Positive numbers
Notes	The Route Number is in the 4 th – 8 th positions of the RouteID.

8. RouteQualifier

Common Name	Route Qualifier
Definition	An additional code that further defines the Dominant Route
Data Owner	GIS Unit
Extent	Every segment

Values	Coded domain
Notes	On state-maintained routes, values of Normal indicate the regular route and other values indicate a related route (e.g., I-95 and I-95 Business). The Route Qualifier is represented in the 2 nd position of the Route ID. An exception is that Ramps and Rest Areas begin with 80 and 81 respectively so that they can be distinguished by the Route ID.

Domain:

Value	Description	Notes
0	Normal Route	On most routes this indicates it is the normal route. If the route class is FED, then Normal/0 means Blue Ridge Parkway.
1	Alternate Route	If the route class is FED, then Alternate/1 means the road is owned by the military.
2	Bypass Route	
5	East Route	This is only used for US-19 East which is a different route than US-19
6	West Route	This is only used for US-19 West which is a different route than US-19
7	Spur/Connector Route	If the Route Class is Interstate, then the route is a spur; if the Route Class is US or NC Route then the route is a connector
8	Truck Route	
80	Ramp	
81	Rest Area	
82	Non-State Ramp	
9	Business Route	

9. RouteInventory

Common Name	Route Inventory
Definition	The NCDOT route direction for Dominant Route
Data Owner	GIS Unit
Extent	Every segment
Values	Coded domain
Notes	Inventory directions are Inventory (0) and Clockwise (8). All other values indicate the non-inventory direction of the route. To determine if the route is one-way or both directions of travel, use the One-way Direction Flag (i.e., Inventory Route Direction and Both Directions for the One-way Direction Flag imply that the route is bidirectional). The Route Direction is represented in the 3 rd position of the Route ID and the 8-Digit Route Number.

Domain:

Value	Description	Notes
0	Inventory	Includes bidirectional, Northbound, Eastbound, and one-way inventory
4	Non-Inventory (Southbound)	On secondary routes, rest areas and non-state maintained route classes, "Southbound" means non-inventory
6	Non-Inventory (Westbound)	
8	Inventory (Clockwise)	
9	Non-Inventory (Counter-Clockwise)	

10. RouteName

Common Name	Route Name
Definition	The NCDOT name of the Dominant Route

Data Owner	GIS Unit
Extent	Every segment
Values	Text
Notes	It is a concatenation of an abbreviation of Route Class, Route Number and Route Qualifier.

11. BeginMP

Common Name	Beginning Milepost for Dominant Route
Definition	The beginning milepost at that point on the segment.
Data Owner	GIS Unit
Extent	Every segment
Values	Numbers; six decimal places

12. EndMP

Common Name	Ending Milepost for Dominant Route
Definition	The ending milepost at that point on the segment.
Data Owner	GIS Unit
Extent	Every segment
Values	Numbers; six decimal places

13. RouteMaintCode

Common Name	Route Status Code
Definition	The system status of the route
Data Owner	GIS Unit
Extent	Every segment
Values	Data Type = text; Derived
Notes	This field has a value of "System" on every record except for where Non-System routes. System Routes= Route Class IN (1,2,3,4,80,81,9) ; Non-System = Route Class IN (5,6,7,82)

Removed Fields

1. NonMonotonic

Common Name	NonMonotonic
Definition	Routes are not Monotonic. This field is the same as RVRS_ATTBT_IND which is currently phased out.
Data Owner	GIS Unit
Extent	Every segment
Values	Text ;