NCRouteArcs Field Descriptions

General Notes:

The layer contains route data maintained by the state and counties. Text in brackets, [], represent the previous field name. Fields dropped from the previous output product will be listed in the 'Removed Fields' section.

X indicates that the definition is stated once but applies to each co-route 2-6. The LRS supports a dominant route (1) and up to 5 additional co-routes (2-6) for each segment. For example, the definition for RouteIDX applies to all of the following fields: RouteID3, RouteID4, RouteID5 and RouteID6.

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.

NCRouteCharacteristics 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. This allows for different characteristics to be coded on each side of the route. On divided roads, most characteristics apply to just that side of the road.

The 11-Digit RouteID is a unique number assigned to each route. The first digit represents the route class, the second digit represents a route qualifier (for example a business route), the third digit represents the inventory or non-inventory direction, the fourth digit through eighth digit represents the route number and lastly, the last three digits represent the Sap County code. Please see 'Guide to the NCDOT Eleven-Digit Route Number' for further illustration (Guide to NCDOT Eleven Digit Route Number (pdf))

Currently the BeginFeatureID and EndFeatureID fields have six (6) types of representation and are explained below.

- 1. Dominant intersecting Route which is determined by
 - a. lowest numeric RouteClass then
 - b. lowest numeric RouteQualifier then
 - c. lowest numeric RouteNumber and lastly the
 - d. lowest numeric RouteInventory
- 2. County Boundary (BC000001 BC000100) where the last three (3) digits represent the sap county number,
- State Boundary BS000901 (Georgia), BS0000902 (South Carolina), BS000903 (Tennessee) and BS000904 (Virginia),
- 4. Pseudo (Route event attributes change within a single segment such as StreetName and Pavement Type),
- 5. Dead-End (the Route terminates) or
- 6. X-Cross (where a Route intersects itself).

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Field Definitions:

1. OBJECTID

Common	Object Identifier	
Name		
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	Shape
Name	
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	Division
Name	
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 [MAINT_CNTY_CD]

Common	Maintenance County; (Sap County Code)		
Name			
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	Data Type = text; 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 both 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 codes (for roads that are maintained by NCDOT but cross the state boundary): Georgia – 901, South Carolina – 902, Tennessee – 903, Virginia – 904.		

5. LocCntyCode [LOC_1_CNTY_CD]

Common	Location County; (Sap County Code)	
Name		
Definition	The county that the segment is physically located in	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Data Type = text; Coded domain – see the metadata or contact the GIS Unit for a full list of codes	

6. RouteClass [RTE_1_CLSS_CD]

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

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
89	Non-Mainline (NML)	Typically state-maintained but not counted towards state- maintained mileage
9	Projected (PRJ)	Generalized locations of major facilities that have not yet been built

7. RouteNumber [RTE_1_NBR]

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

8. RouteQualifier [RTE_1_PRIM_CD]

Common	Route Qualifier	
Name		
Definition	An additional code that further defines the Dominant Route	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Data Type = text; 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, Rest Areas and Non-Mainline begin with 80, 81 and 89 respectively so that they can be distinguished by the Route ID.	

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	
89	Non-Mainline	
9	Business Route	

9. RouteInventory [RTE_1_DDIR_CD]

Common	Route Inventory	
Name		
Definition	The NCDOT route direction for Dominant Route	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Data Type = text; 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 RouteID.	

Domain:

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

10. Direction

Common	Direction
Name	
Definition	Indicates the actual direction of the route
Data Owner	GIS Unit
Extent	Every segment
Values	Data Type = text; Coded domain
Notes	

Value	Description	Notes
BD	Bidirectional	
NB	Northbound	
SB	Southbound	
EB	Eastbound	
WB	Westbound	
OI	Oneway Inventory	
00	Oneway Opposite	
CW	Clockwise	
CC	Counterclockwise	

11. TravelDirection [ONEWAY_DIR_FLG]

Common	Travel Direction	
Name		
Definition	Indicates whether traffic is restricted to one direction or both	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Data Type = text; Coded domain	
Notes	Since the Route Direction code of 0 can be either one-way or both directions, this field is used to	
	determine if the route is bidirectional or one-way.	

Domain:

Value	Description	Notes	•
Both	Both directions		
One-way	One direction		

12. MPLength [MP_LENGTH]

Common	Milepost Length	
Name	op	
Definition	The length of the segment in miles, calculated by the ending milepost minus the beginning milepost. The milepost values are based on 3D measures generated from LIDAR data.	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Positive numbers; six decimal places	
Notes	Calculated field;	

13. RouteName [STREET_NAME]

Common	Route Name
Name	
Definition	The NCDOT name of the dominant route
Data Owner	GIS Unit
Extent	Every segment
Values	Data Type = text;
Notes	It is a concatenation of an abbreviation of Route Class, Route Number and Route Qualifier.

14. StreetName [STREET_NAME]

Common	Street Name
Name	
Definition	The name of the street such as 'Main Street'
Data Owner	GIS Unit
Extent	Every segment
Values	Data Type = text;
Notes	

15. RouteMaintCode [RTE_STATUS_CD]

Common	Route Maintenance Code	
Name		
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 = RouteClass IN (1,2,3,4,8,9); Non-System = RouteClass IN (5,6,7)	

16. SrcDocType [SRCDOC_TYP_CD]

Common	Source Document Type	
Name		
Definition	The type of source documentation that created the segment or caused the most recent official change.	
Data Owner	GIS Unit	
Extent	All system routes	
Values	Data Type = text; Coded domain	
Notes	This field should be used with the Source Document field.	

Domain:

Description	Notes
Not-Verified	Indicates either legacy segments or that the source document is
	unknown
Petition	The petition number is stored in the Source Document field
TIP	TIP or Project; the project number is stored in the Source Document
	field
Project Alignment	
Municipal Agreement	The municipal agreement number is stored in the Source Document
-	field
Other	
	Not-Verified Petition TIP Project Alignment Municipal Agreement

17. SrcDocID [SRCDOC_NBR]

Common	Source Document	
Name		
Definition	The document reference that created the segment or caused the most recent official change	
Data Owner	GIS Unit	
Extent	All system routes	
Values	Data Type = text;	
Notes	Typical values are the TIP number or the Petition number. This field should be used with the	
	Source Document Type field.	

18. GeoDocType [REVDOC_TYP_CD]

Common	Revision Source Type	
Name		
Definition	The most recent data source type used to draw or modify the segment's alignment/geometry.	
Data Owner	GIS Unit	
Extent	All system routes	
Values	Data Type = text; Coded domain	
Notes	This field should be used with the GeoDocID field. For example, if the value is Aerial Photo and the	
	GeoDocID is 2010, this means that the segment was aligned to an Aerial Photo that was flown in	
	2010.	

Value	Description	Notes
N	Not-Verified	Indicates the segment alignment has not been verified by the GIS Unit; the segment has not been photo-revised yet
Α	Aerial Photo	Indicates that the segment has been photo revised
С	Local Centerline	<u> </u>
Р	Parcels	
L	Plat	
G	GPS	
F	Field Research	
0	Other	

19. GeoDocID [REVDOC_NUM]

Common	Revision Source	
Name		
Definition	The most recent data source reference that was used to draw or modify the segment's	
	alignment/geometry	
Data Owner	GIS Unit	
Extent	Every segment that has been verified	
Values	Data Type = text;	
Notes	When Aerial Photo is used as the Revision Source Type, the Revision Source Identifier is either	
	the year the photo was flown or else the source of the photo if the year is unknown.	

20. OwnerType [OWNR_TYP_CD]

Common	Ownership type	
Name		
Definition	The agency that maintains the segment, if ownership cannot be derived from Route Class	
Data Owner	OPM (Operations Program Management)	
Extent	Where applicable	
Values	Number; Coded domain	
Notes	This field contains exceptions, i.e., US, NC or Secondary Route that is not maintained by NCDOT would have the correct owner identified in this field.	

Domain:

Value	Description	Notes
2	County Highway Agency	County highway agency
3	Town or Township Highway Agency	Town or township highway agency
4	City or Municipal Highway Agency	City or municipal highway agency
11	State Park, Forest, or Reservation Agency	State park, forest or reservation agency
12	Local Park, Forest, or Reservation Agency	Local park, forest or reservation agency
21	Other State Agency	Other state agency
25	Other Local Agency	Other local agency
27	Railroad	Railroad
31	State Toll Road	State toll authority
32	Local Toll Authority	Local toll authority
40		Other public instrumentality (e.g., airport, school,
	Other Public Instrumentality (e.g., Airport)	university)
50	Indian Tribe Nation	Indian Tribe Nation
60	Other Federal Agency	Other federal agency
62	Bureau of Indian Affairs	Bureau of Indian Affairs
63	Bureau of Fish and Wildlife	Bureau of Fish and Wildlife
64	U.S. Forest Service	U.S. Forest Service
66	National Park Service	National Park Service
67	Tennessee Valley Authority	Tennessee Valley Authority
68	Bureau of Land Management	Bureau of Land Management
69	Bureau of Reclamation	Bureau of Reclamation
70	Corps of Engineers	Corps of Engineers
72	Air Force	Air Force
73	Navy/Marines	Navy/Marines
74	Army	Army
80	Other	Other
98	Private-Residential	Private-Residential
99	Private-Other	Private-Other

21. RouteXClass [RouteX Class]

Common	Route Class
Name	
Definition	The NCDOT route class code for Co-Routes 2-6

Data Owner	GIS Unit
Extent	Every segment except for gap segments
Values	Data Type = text; Coded domain
Notes	Route Class drives the 1st 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)	Federal-aid roads maintained by municipalities
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
89	Non-Mainline (NML)	Typically state-maintained but not counted towards state- maintained mileage
9	Projected (PRJ)	Generalized locations of major facilities that have not yet been built

22. RouteXNumber [RTE_X_NBR]

Common	Route Number
Name	
Definition	The NCDOT route number for Co-Routes 2-6
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

23. RouteXQualifier [RTE_X_PRIM_CD]

Common	Route Qualifier	
Name		
Definition	An additional code that further defines the Co-Route 2-6	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Data Type = text; 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, Rest Areas and Non-Mainline begin with 80, 81 and 89 respectively so that they can be distinguished by the Route ID.	

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	
89	Non-Mainline	
9	Business Route	

24. RouteXInventory [RTE_X_DDIR_CD]

Common	Route Direction
Name	
Definition	The NCDOT route direction for Co-Routes 2-6
Data Owner	GIS Unit
Extent	Every segment
Values	Data Type = text; 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 RouteID.

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	
	(Counterclockwise)	

25. RouteID [Rte_Id]

Common	Route Identifier for Dominant Route
Name	
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.

26. BeginMp1 [BegMp1]

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

27. EndMp1 [EndMp1]

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

28. BeginFeatureID [Beg_Intersect]

Common	Beginning Intersection Feature for Dominant Route
Name	
Definition	This field identifies the intersecting route (or county or route change or dead-end) for the beginning of the associated LRS segment.
Data Owner	GIS Unit
Extent	Every segment
Values	Data Type = text;
Notes	Use with the Beginning Milepost field.

29. EndFeatureID [End_Intersect]

Common	Ending Intersection Feature For Dominant Route
Name	
Definition	This field identifies the intersecting route (or county or route change or dead-end) for the ending of
	the associated LRS segment.
Data Owner	GIS Unit
Extent	Every segment
Values	Data Type = text;
Notes	Use with the Ending Milepost field.

30. MaxMP1 [MaxMp1]

Common	Maximum Milepost
Name	
Definition	The maximum milepost value of the dominant route
Data Owner	GIS Unit
Extent	Every segment
Values	Positive numbers; six decimal places
Notes	

31. RouteX [RouteX]

Common	11-Digit Route Number
Name	
Definition	The 11-digit composite Co-Route number
Data Owner	GIS Unit
Extent	Every segment
Values	Positive 11-digit numbers (text field)

32. BeginMpX [BegMpX]

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

33. EndMpX [EndMpX]

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

34. Shape_Length

Common	Shape Length	
Name		
Definition	The two-dimensional length of the segment in feet	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Positive numbers; six decimal places	
Notes	This field should not be used to determine the length of segments or routes. Instead the user should create a field and calculate the values to be Ending Milepost minus Beginning Milepost. The official length is based on mileposts because they reflect three-dimensional measurements.	

Removed Fields

35. G1_FtSeg_ld

Common	G1_FtSeg_Id	
Name	-	
Definition	Numbers assigned to LRS segments that can be used in Linear Referencing operations	
Data Owner	GIS Unit	
Extent	Every Segment	
Values	Positive and negative numbers	
Notes	A single G1 FTSEG may be made up of several individual segments. G1 FTSEGs are measured from 0 (From Percent) to 1 (To Percent). G1 FTSEGs can be split at LRS segment breaks (intersections, county boundaries, direction changes, historic changes and pseudo nodes) and can also be split at event breaks (changes in one of the characteristics of the road). Segments that have the same G1 FTSEG would have unique, non-overlapping From and To Percent measures. G1 FTSEG is stable and does not change between publications. Should be used as the route identifier when performing LRS analysis using G1 referencing.	

36. Beg_G1Factor

Common	Beginning G1Factor		
Name			
Definition	The length of every G1 FTSEG is normalized from 0 – 1 (to indicate the percentage of the total segment length). The Beg G1Factor is the location along the Route ID where the event segment		
	begins.		
Data Owner	GIS Unit		
Extent	Every Segment		
Values	Positive numbers; six decimal places		
Notes	From Percent should be used when performing LRS analysis using G1 referencing as the To-		
	Measure field.		

37. End_G1Factor

Common	End Percent	
Name		
Definition	The location along the G1 FTSEG where the segment ends	
Data Owner	GIS Unit	

Extent	Every Segment
Values	Positive numbers; six decimal places
Notes	A segment with a Beg_G1Factor value of 0 and a End_G1Factor value of 1 represents the entire G1 FTSEG; the segment has never been split by LRS or event changes. End_G1Factor should be
	used when performing LRS analysis using G1 referencing as the To-Measure field.

38. FTSEG

Common	FTSEG		
Name			
Definition	Segments of a split G1_FTSEG		
Data Owner	GIS Unit		
Extent	Where applicable		
Values	Positive numbers		
Notes			

39. TMPRY_FTSEG

Common	Temporary FTSEG	
Name		
Definition	Segments of a split G1_FTSEG in holding layer	
Data Owner	GIS Unit	
Extent	Where applicable	
Values	Negative numbers	
Notes		

40. Hold

Common	Hold	
Name		
Definition	Working segments of a split G1_FTSEG	
Data Owner	GIS Unit	
Extent	Where applicable	
Values	Positive and negative numbers; yes,no,na	
Notes		

41. RTE_X_START

Common	Route Start	
Name		
Definition	The beginning segment of the route	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Coded domain	
Notes	Divided routes have a start in each direction. This field is used to create milepost values.	

Domain:

Value	Description	Notes
0	Not start	
1	Start	
9	NA	Indicates no co-route present (used for routes 2-6)

42. RTE_SUBCTGY_CD

Common Name	Route Subcategory	
Definition	A classification that can be used to symbolize roads	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Coded domain	

Notes	This field should not be used to determine route direction or the number of lanes.		
Domain:			
Value	Description	Notes	
2L	2-Lane Undivided		
DCL	Divided Centerline		
4L	4-Lane Undivided		
SVR	Service Road		
RMP	Ramp		
UNK	Unknown		

43. RVRS_ATRBT_IND

Common Name	Reverse Segment Indicator
Definition	A flag that indicates whether the segment is facing in its original direction or if it has been physically flipped
Data Owner	GIS Unit
Extent	Every segment
Values	Coded domain
Notes	Segments that have been flipped since they were originally created are marked as "Yes." The milepost values are opposite of the line orientation on flipped segments because the line direction follows the G1 linear referencing method which does not change when a segment is flipped.

Domain:

Value	Description	Notes
0	No	Segment is not flipped
1	Yes	Segment has been flipped
9	NA	Segment is not flipped

44. LOC_2_CNTY_CD

Common	Location Two County
Name	
Definition	For roads that are on the county line, it is the adjacent county
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	Every value other than NA indicates that the road is on the county boundary.

45. RTE_TYP_CD

Common	Route Type Code
Name	
Definition	Indicates the Route Type
Data Owner	GIS Unit
Extent	Every segment
Values	Text; Primary, Ramp, Secondary, Other
Notes	Derived field

46. RTE_RMP_CD

Common	Ramp Routes
Name	
Definition	A list of route classifications that the ramp connects to
Data Owner	GIS Unit
Extent	Sparsely populated
Values	Coded domain
Notes	Applies to the entire ramp, not just that particular segment (ramps connect facilities and may be comprised of multiple segments).

Domain:

Value	Description	Notes
I	Interstate	Ramp connects to Interstates
US	US	Ramp connects to US Routes
NC	NC	Ramp connects to NC Routes
SR	SR	Ramp connects to Secondary Routes
I&US	I&US	Ramp connects an Interstate and US Route
I&NC	I&NC	Ramp connects an Interstate and NC Route
I&SR	I&SR	Ramp connects an Interstate and Secondary Route
US&NC	US&NC	Ramp connects a US Route and NC Route
US&SR	US&SR	Ramp connects a US Route and Secondary Route
NC&SR	NC&SR	Ramp connects an NC Route and Secondary Route
I&NC&US&SR	I&NC&US&SR	Ramp connects an Interstate, NC Route, US Route and Secondary Route
I&NC&US	I&NC&US	Ramp connects an Interstate, NC Route and US Route
I&NC&SR	I&NC&SR	Ramp connects an Interstate, NC Route and Secondary Route
I&US&SR	I&US&SR	Ramp connects an Interstate, US Route and Secondary Route
NONE	Null	Data not populated

47. ArcID

Common Name	ArcID
Definition	Identifies road linework segments that can be edited.
Data Owner	GIS Unit
Extent	Where available
Values	GUID
Notes	From and to endpoints corresponds to intersections at 'on system routes' and the current LRS
	ARCS network.

48. Beg_Node

Common	Beginning Node
Name	
Definition	Identifies a start point for the centerline segment
Data Owner	GIS Unit
Extent	All segments
Values	Sequential Positive numbers for the dominant route
Notes	

49. End_Node

Common	Ending Node
Name	
Definition	Identifies end point for the centerline segment
Data Owner	GIS Unit
Extent	All segments
Values	Sequential Positive numbers for the dominant route
Notes	

50. ShieldType

Common	Shield Type
Name	
Definition	The type of highway shield used to label the route
Data Owner	GIS Unit
Extent	Every segment
Values	Text

51. LupdADate

Common	Last Attribute Update	
Name		
Definition	The date of the last LRS-attribute change (all of the fields listed before Route Name in this	
	document) to the segment	
Data Owner	GIS Unit	
Extent	Every segment	
Values	Dates	
Notes	The date 6/1/2006 indicates that the segment has not had an LRS-attribute edit since the LRS went live in 2006.	

52. LupdFDate

Common	Last Feature Update
Name	
Definition	The date of the last geometric change to the segment
Data Owner	GIS Unit
Extent	Every segment
Values	Dates
Notes	The date reflects either the date that the feature was created or the last time it was modified. The date 6/1/2006 indicates that the segment has not had a geometric edit since the LRS went live in 2006.

53. TIER_CD

Common	Tier
Name	
Definition	The North Carolina Multimodal Investment Network classification system
Data Owner	GIS Unit
Extent	Every segment
Values	Coded domain

Domain:

Value	Description	Notes
SB	SubRegional	Facilities that serve localized movements
R	Regional	Facilities that serve regional movements
ST	Statewide	Facilities that serve statewide movements
N	None	Used for non-system roads

54. TIER_SRC

Common	Tier Source
Name	
Definition	
Data Owner	GIS Unit
Extent	Where available
Values	Codes domain

Domain:

Value	Description	Notes	
DA	Default Auto		
DM	Default Manual		
I	Initial Import		
N	Notification		

55. TIER STTS

Common	Tier Status		

Name	
Definition	
Data Owner	GIS Unit
Extent	Where available
Values	Coded domain

Value	Description	Notes	
N	Not Reviewed		
С	Complete		
СТ	Change Tier		