## ITEMS INCLUDED IN FEATURE CARRIED (RC12)

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</thead>
</table>
RC12: Feature Carried

ITEM: Feature Number
NYSDoT

PROCEDURE:
At this time, the only possible feature number is 1, since multiple features carried cannot be coded into BDMS.

CODING:
1 - Primary Feature carried by the bridge.

ITEM: Over-Under-On Code
NYSDoT

PROCEDURE:
Record Code 12 identifies the Feature carried by the bridge. Therefore, the value of “1” is recorded.

CODING:
1 - Feature carried on the bridge

ITEM: Feature Code
NYSDoT

PROCEDURE:
Record the code that best describes the Feature carried. This code should be consistent with the “Description or Route Number” Item.

If the bridge is closed to all use or to its primary use, but is not abandoned, record this Item with “60” or “61” and record the “Posted Load” Item of Record Code 06 with “99”.

CODING:
09 - State Highway
10 - Expressway
11 - Interstate
12 - Parkway
13 - Authority
14 - County Road
15 - Town Road
16 - City Street
17 - Village Street
18 - Indian Reservation Road
19 - Military Reservation Road
20 - Access Road or Ramp
21 - Institution Road
22 - Park Road
23 - Board of Water Supply Road
24 - Private Road
50 - Railroad
60 - Feature closed to all use
61 - Closed to prime use (open for other service)
80 - Converyer
90 - Pedestrian
99 - Other and Miscellaneous
RC12: Feature Carried

**ITEM: Description Type**  
NYSDoT

**PROCEDURE:**  
If the Feature is an Interstate, US Route or State Touring Route, leave this Item blank. A route number and a reference marker will be supplied in the following fields via a link with the Highway Database (HDMS) when that data becomes available. If this Feature is not an Interstate, US Route or State Touring Route, record a “D” in this field and provide a description in the next Item, “Description or Route Number and Reference Marker.”

**CODING:**  
D - Feature is not an Interstate, US Route or State Touring Route  
Blank - Feature is an Interstate, US Route or State Touring Route

**ITEM: Description or Route Number and Reference Marker**  
NYSDoT

**PROCEDURE:**  
If the Feature is an Interstate, US Route or State Touring Route, leave this Item blank. The data will be supplied by the Highway Database (HDMS) when that data becomes available. Until that time, the data will need to be entered manually. A partial list of State Touring Route numbers for Parkways, and roads commonly known by name is shown in Appendix G. This is provided as a reference for identifying touring route names when viewing data.

If the Feature is an Interstate, US Route or State Touring Route and also has a street or road name, record its street or road name in the “Secondary Description” Item. If the Feature carried is not an Interstate, US Route or State Touring Route record its most commonly used description of the Feature, using up to 17 characters, left justified. Record the “Description Type” Item with the letter “D”.

If the Feature is a local road, use the following standard abbreviations:

<table>
<thead>
<tr>
<th>County Road</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>County Route</td>
<td>CR</td>
</tr>
<tr>
<td>North</td>
<td>N</td>
</tr>
<tr>
<td>South</td>
<td>S</td>
</tr>
<tr>
<td>East</td>
<td>E</td>
</tr>
<tr>
<td>West</td>
<td>W</td>
</tr>
<tr>
<td>Avenue</td>
<td>AVE</td>
</tr>
<tr>
<td>Boulevard</td>
<td>BLVD</td>
</tr>
<tr>
<td>Boulevard</td>
<td>BLVD</td>
</tr>
<tr>
<td>Southbound</td>
<td>SB</td>
</tr>
<tr>
<td>Eastbound</td>
<td>EB</td>
</tr>
<tr>
<td>Westbound</td>
<td>WB</td>
</tr>
<tr>
<td>Expressway</td>
<td>EXPWY</td>
</tr>
<tr>
<td>Service Road</td>
<td>SRD</td>
</tr>
</tbody>
</table>

If the Feature carried is a “highway ramp”, record its description here. Record the Description as “RAMP” plus the Route Number or brief description of the Route from which traffic is coming and to which it is going. For example, “RAMP 90I EB to Main ST.” If the Feature carried is a Service Road, enter “SRD” plus the name of the main road; e.g., SRD, LIE. If the Feature is a non-highway, the following naming conventions should be used:

| Railroad | Enter the name of the railroad followed by “RR”; e.g., CSX RR |
RC12: Feature Carried

Water Main Enter “WTR MAIN” plus diameter of main and the name of the Utility Company, if known; e.g., “WTR MAIN 36” Latham Water District

Power Line Enter “PWR LINE”, plus voltage if known, and the name of the Utility Company, if known; e.g., “PWR LINE 990V” NYSE&G

Pedestrian Path Enter “PED PATH” plus any name associated with the path, if known; e.g., “PED PATH” AP Trail. Use this term instead of similar terms like “Foot Bridge,” etc.

Aqueduct Enter “AQUEDUCT” and name of Utility company, if known.

Bike Path Enter “BIKE PATH” and name, if known.

Conveyor Enter “CONVEYOR” and name of owner, if known.

Pipeline Enter “PIPELINE”, its diameter, and owner, if known.

Horse Path Enter “HORSE PATH” plus name, if known.

CODING:
Accepts alpha-numeric characters.

ITEM: Secondary Description
NYSDoT

PROCEDURE:
If the bridge carries a Route that also has a common name, record the common name in parentheses: e.g., (Northern State Parkway). Do not repeat the route number entered in the “Description or Route Number and Reference Marker.” If the “Description or Route Number and Reference Marker” fully describes the Feature, this Item should be left blank. If the instructions above do not apply, and the bridge is known by a particular name, record this Item with that name.

CODING:
Any alphanumeric combination.

ITEM: Future AADT
FHWA 114

PROCEDURE:
If the Feature is a highway, this Item will be recorded with data obtained from the Highway Database (HDMS) or with data calculated by BDMS.

CODING:
No coding required.

ITEM: Year of Future AADT
NYSDoT

PROCEDURE:
If the Feature is a highway, this Item will be recorded based on information from the Highway Database (HDMS) or BDMS.

CODING:
No coding required.
ITEM: Milepoint
FHWA 11

PROCEDURE:
The Milepoint, at the beginning of the bridge, will be obtained from the Highway Database (HDMS) when that data becomes available. Until that time, the data will need to be entered manually. The beginning of the bridge will be determined using the “Direction of Orientation Method.” In general, Milepoints will be supplied for Interstates, US Routes and State Touring Routes only. If the Feature is not a highway or does not use a milepoint system, this field will be blank.

If the feature is a railroad, the railroad milepoint may be entered

CODING (OPTIONAL):
Numeric.

ITEM: Overlap Routes
NYSDoT

PROCEDURE:
When two or more Routes are carried by the bridge, the Route Number of the highest priority Route is shown in the “Description or Route Number and Reference Marker” Item. The other Route Number(s) or higher route number will be recorded in this Item. The data will be obtained from the Highway Database (HDMS) when that data becomes available. Until that time, the data will need to be entered manually.

If there are no overlaps, this Item will be blank.

CODING (OPTIONAL):
Alphanumeric.

ITEM: Maximum Vertical Clearance
FHWA 10

PROCEDURE:
If the Feature Carried is a highway, record the maximum height of a 3 meter or 10 foot wide vehicle that can safely cross this bridge, using this Feature, in either direction, including the shoulders. This clearance is recorded to the nearest 25mm or 1 inch. The vertical clearance is measured between the bottom of the lowest permanent overhead obstruction and the point bridge deck directly below it.

Occasionally, a component with no structural purpose is provided to limit the height of the vehicles using the bridge. “Headache Bars” are an example of this. The restricted vertical clearance provided by these components should not be considered when recording this Item. If the Maximum Vertical Clearance is greater than 5.48m (18ft.), the clearance can be approximated to the nearest 0.1m or 4 inches.

If the clearance is unlimited, record this Item with 99.99 for Metric or 99 99 US Customary.

If the Feature Carried is not a highway, record this Item with “0”.

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**RC12: Feature Carried**

**CODING:**
- 0 - 99.99 Metric
- 00 00 – 99 99 US Customary

**ITEM: State Highway Number**
NYSDoT

**PROCEDURE:**
If the Feature is a State Highway, the official State Highway Number will be supplied via a link with the Highway Database (HDMS) when that data becomes available. Until that time, the data will need to be entered manually.

If the Feature Carried is not a State Highway or not a highway at all, this Item will be blank.

**CODING (optional):**
Alpha-numeric.

**ITEM: Type of Highway**
FHWA 5 B

**PROCEDURE:**
If the Feature Carried is an Interstate, US Route or State Touring Route, the type of highway will be obtained from the Highway Database (HDMS), when that data becomes available. Until that time, the data will need to be entered manually.

If the Feature Carried is not an Interstate, US Route or State Touring Route, record this Item using the code shown below which best describes the highway. High speed facilities or parkways without a Signed Route Number in a city are to be recorded as “5 - City Streets.” Other parkways without a Signed Route Number, and town and village roads are to be recorded as “8 - Other.” The coding of this Item will relate directly to the Route Number of the Feature Carried by the bridge, when applicable.

If the Feature Carried is not a highway, record this Item with an "8 - Other."

**CODING:**
- 1 – Interstate
- 2 - U.S. Numbered
- 3 - State
- 4 - County
- 5 - City Street
- 6 - Federal Lands
- 7 - State Lands
- 8 - Other

**ITEM: Route Description**
FHWA 5 C

**PROCEDURE:**
If the Feature Carried is a highway, record the code below which best describes this feature.

If the Feature Carried is not a highway, record this Item with "0".
RC12: Feature Carried

CODING:
1 – Mainline
2 - Alternate
3 - Bypass
4 - Spur
5 - Not Used
6 - Business
7 - Ramp or Wyre
8 - Service or Unclassified
0 - No Description Applies

ITEM: Federal Aid System
NYSDoT

PROCEDURE:
This Item is no longer used. No coding is permitted.

The Federal Aid System can be defined by the National Highway System and the functional classification of the roadway.

ITEM: Functional Classification
FHWA 26

PROCEDURE:
If the Feature Carried is not an Interstate, US Route or State Touring Route, use this Item to record its functional classification. If the Feature Carried is an Interstate, US Route or State Touring Route, this information will be provided by the Highway Database (HDMS) when that data becomes available. Until that time, the data will need to be entered manually. The Functional Classification is tracked by the Data Services Bureau. It can generally be found in the Project Design Approval document.

CODING:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Rural - Principal Arterial - Interstate</td>
</tr>
<tr>
<td>02</td>
<td>Rural - Principal Arterial - Other</td>
</tr>
<tr>
<td>06</td>
<td>Rural - Minor Arterial</td>
</tr>
<tr>
<td>07</td>
<td>Rural - Major Collector</td>
</tr>
<tr>
<td>08</td>
<td>Rural - Minor Collector</td>
</tr>
<tr>
<td>09</td>
<td>Rural-Local (Including Unclassified)</td>
</tr>
<tr>
<td>11</td>
<td>Urban - Principal Arterial - Interstate</td>
</tr>
<tr>
<td>12</td>
<td>Urban-Principal Arterial-Other Freeways or Expressway</td>
</tr>
<tr>
<td>14</td>
<td>Urban - Other Principal Arterial</td>
</tr>
<tr>
<td>15</td>
<td>Urban - Other Major Collector</td>
</tr>
<tr>
<td>16</td>
<td>Urban - Minor Arterial</td>
</tr>
<tr>
<td>17</td>
<td>Urban - Collector</td>
</tr>
<tr>
<td>19</td>
<td>Urban - Local</td>
</tr>
<tr>
<td>00</td>
<td>None - Not a Highway</td>
</tr>
</tbody>
</table>

ITEM: Toll
FHWA 20

PROCEDURE:
Record the code shown below which best describes the Feature Carried, with respect to Tolls. Interstate Toll and Toll Bridge Segments Under Secretarial Agreement (Title 23 - United State Code - Highways Section 129, as amended by 1991 ISTEA and prior legislation) means that an agreement has been entered into between NYSDoT and FHWA wherein the State agrees to apply tolls to bridge or highway maintenance, etc. This agreement allows for federal aid to be applied to these facilities.
RC12: Feature Carried

CODING:

1 - Toll Bridge ------------------------- Tolls are paid specifically to use the bridge.
2 - Toll Road ------------------------- Tolls paid are for use of both the highway and the bridge.
3 - Free Road or Non-Highway ---- As listed
4 - Interstate Toll Segment ------ Roadway is part of an Interstate Toll Segment as per Under-Secretarial Agreement
5 - Toll Bridge Is a Segment ------ A separate agreement exists for the bridge in addition to the Under-Secretarial Agreement.

ITEM: Total Number of Lanes / Tracks
FHWA 28A

PROCEDURE:
Record the total number of full width traffic lanes (or railroad tracks) carried by the Feature. Full width traffic lanes are defined as those carrying through traffic and any ramps or merge lanes that are continuous for the entire length of the bridge. Parking lanes are not to be considered. If the Feature is not a highway or a railroad, record this item with "00". If the Feature serves both highway and railroad traffic, record the number of highway lanes only.

CODING:
Accepts numeric characters: 00 - 99

ITEM: Lanes / Tracks Vary
NYSDoT

PROCEDURE:
Record whether or not the total number of through traffic lanes (or railroad tracks), varies on the Feature Carried.

CODING:
1 - No Highway or Railroad on the Feature Carried
2 - Number of lanes or tracks do not vary
3 - Number of lanes or tracks does varies

ITEM: Minimum Lane Width
NYSDoT

PROCEDURE:
Record the width of the narrowest through traffic lane on the Feature Carried to the nearest 30mm or 1/10th of a foot. Do not include the width of any shoulders carried by the bridge. Acceleration, deceleration, or other auxiliary lanes should not be included when determining the minimum lane width. If the Feature Carried is not a highway, code this item with "0."

CODING:
Accepts numeric characters: 00.0 - 99.9
ITEM: Number of Lanes (Left and Right)  
NYSDoT

PROCEDURE:
Record the total number of through lanes, in each direction of travel, for the Feature Carried. Record the number of left lanes in the field provided and record the number of right lanes in the field provided. (The entries should be right justified on the input forms.) Left and right are determined by looking in the Direction of Orientation. If the Feature Carried serves one-way traffic only, record zeros in the first field for left lanes and record the total number of lanes in the next field for right lanes. If the Feature carries alternating one-way traffic, record this Item with "0/1" for left lanes and a "0/0" for right lanes. If the Feature is not a highway, record this Item with “00” for both fields.

CODING:
00 to 99 for each field

ITEM: AADT  
FHWA 29

PROCEDURE:
If the Feature Carried is not an Interstate, US Route or State Touring Route, record the current Average Annual Daily Traffic, right justified. If the Feature Carried is an Interstate, US Route or State Touring Route this data will be supplied by the Highway Database (HDMS) when that data becomes available. Until that time, the data will be entered manually, or via annual upload to BDMS.

This information can be obtained from the current "Traffic Volume Report" published by the Data Services Bureau. It is also included in the Contract Plans. When an actual count is not available, an estimate is required. For bridges in parallel configuration and for those that carry one-way traffic only, the AADT should only reflect one direction of travel. For closed bridges, the last AADT entry should be retained. If the Feature is not a highway, record this Item with "0."

CODING:
Accepts numeric characters 0 - 999999

Item: Year of AADT  
FHWA 30

PROCEDURE:
If the Feature Carried is an Interstate, US Route or State Touring Route, this data will be supplied by the Highway Database (HDMS) when that data becomes available. Until that time, the data will need to be entered manually. If the Feature Carried is not an Interstate, US Route or State Touring Route, records the last two digits of the year when the count was taken. If the AADT is estimated, record this Item with "EE." If the Feature is not a highway, record this Item with "NN."

CODING:
Inventory forms accept the numbers 00 - 99, "EE" and “NN.” Winbolts accepts the 4 digit year, “EEEE” and “NNNN”
ITEM: **Average Daily Truck Traffic**  
FHWA 109

PROCEDURE:  
If the Feature Carried is not an Interstate, US Route or State Touring Route, record the Average Daily Truck Traffic as a percentage of the AADT. Do not include vans, pick-up trucks, and other light delivery trucks in this percentage. If the Feature Carried is an Interstate, US Route or State Touring Route this data will be obtained from the Highway Database (HDMS) when that data becomes available. Until that time, the data will need to be entered manually. If this information is not available, record this Item with an estimate of truck traffic. If the "AADT" on the Feature Carried is less than 100, record this Item with "0."

CODING:  
Accepts numeric characters: 00 - 99

ITEM: **Total Horizontal Clearance**  
FHWA 47

PROCEDURE:  
If the Feature Carried is a highway, record the Total Horizontal Clearance available to traffic to the nearest 30mm or tenth of a foot. Measure the clearance between the bridge components which provide the least restrictive horizontal clearance. These include curbs, non-mountable medians, railings and any other items which restrict horizontal clearance. Do not consider flush or mountable curbs as restrictive features. If the clearance is greater than 30m or 99 feet, record this Item with 99.9. If the Feature Carried is not a highway, record this Item with "0."

CODING:  
Accepts the numbers 0 - 99.9

ITEM: **Minimum Vertical Clearance**  
FHWA 54

PROCEDURE:  
If the Feature Carried is a highway, record the Minimum Vertical Clearance Available, to the nearest 25mm or 1 inch (rounded down), between the lowest permanent, overhead obstruction and a point on the pavement which is directly below it (Not including shoulders). If recording in US customary units, enter two separate integers to denote feet and inches. For metric, record in decimal meters.

If the Feature Carried is a railroad, record the Minimum Vertical Clearance between the lowest overhead obstruction and the top of rail directly below it. If the Minimum Vertical Clearance is greater than 7m or 23 feet, it should be recorded to the nearest 300mm or to the nearest 1 foot, rounded down. If the clearance is greater than 30m or 100 feet, but is not unlimited, record this Item as 30.00 (metric) or 99 12 (US Customary). If the clearance is unlimited, record this Item as 99.99 (metric) or 99 99 (US Customary). If the feature is neither a highway nor a railroad, record this item as "00."

CODING:  
Accepts the numbers 00.00 - 99.99 - Metric and 0 0 – 99 99 - US Customary.
RC12: Feature Carried

ITEM: Bypass Detour Length
FHWA 19

PROCEDURE:
If the Feature Carried is a highway, record the total additional travel distance, to the nearest 1.6km or 1 mile, over a comparable route, if the bridge were closed. If a ground level bypass is available at the bridge, record this Item with "00." Some examples of this are:
- Diamond Interchanges
- Interchanges where service roads are available
- Interchanges where the positioning and layout of the ramps is such that they could be used to get around the closed bridge without difficulty
If the Feature Carried is a dead-end highway, record this Item with “99.” If the Feature Carried is not a highway, leave this item blank.

CODING:
Accepts : Blanks and numeric characters 00 -99.

ITEM: STRAHNET Designation
FHWA 100
This Item was previously called the “Defense Highway Designation.”

PROCEDURE:
The STRAHNET (Strategic Highway Network) System is tracked by the Highway Data Services Bureau. If the Feature Carried is an Interstate, US Route or State Touring Route, this data will be obtained from the Highway Database (HDMS) when that data becomes available. Until that time, the data will need to be entered manually. For all other Features, record this Item with the code listed below, which best describes them.

CODING:
N - The Feature is not a highway.
0 - The Feature is not a STRAHNET route.
1 - The Feature is on an Interstate STRAHNET route.
2 - The Feature is on a Non-Interstate STRAHNET route.
3 - The Feature is on a STRAHNET Connector route.

ITEM: Designated National Network (for Trucks)
FHWA 110

PROCEDURE:
The "National Network for Trucks" is tracked by the Highway Data Services Bureau. This network includes most of the Interstate System and those portions of the Federal-Aid Primary System identified in the Code of Federal Regulations (23 CFR 658). If the Feature Carried is an Interstate, US Route or State Touring Route, this data will be supplied by the Highway Database (HDMS) when that data becomes available. Until that time, the data will need to be entered manually. For all other Features, record this Item with the code, listed below, which best describes the Feature being inventoried.
RC12: Feature Carried

CODING:

N - The Feature is not a highway.
0 - The Feature is not part of the "National Network for Trucks"
1 - The Feature is part of the "National Network For Trucks"

ITEM: National Highway System
FHWA 104

PROCEDURE:
The "National Highway System" includes the Interstate Highway System as well as other highways which are important to the nation’s economy, defense, and mobility. Guidelines for the development of the NHS were specified in the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA).

This code will always be obtained from the Highway Database (HDMS).

CODING:
N- Feature intersected is not a highway
0 - Feature Carried is not on the NHS.
1 - Feature Carried is on the NHS.