ITEMS INCLUDED IN WORK HISTORY (RC21)

Type of Work
Month
Year
Contract Number
Type of Contract
Money Value
Comments
Designer Name
Designer Organization
PIN
RC21 Work History

The Work History Record is used to record work performed on a bridge during its service life. The Work History begins with original construction and includes any contract maintenance or capital projects.

ITEM: Type of Work
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PROCEDURE:
Record the Work Type from the list below. The listed codes are compatible with BDMS. The old codes are to be used as the definitive codes for describing the type of work performed.

CODING: Capital Project Work Codes
110. New Bridge: Construct a new bridge where none currently exists.

121. Bridge Replacement: Structural: Remove an existing bridge because of its deteriorating condition and replace it with a new bridge which provides the same features, carried and crossed on approximately the same alignment.

122. Bridge Replacement: Functional: Remove an existing bridge because of substandard capacity or roadway geometry and replace it with a new bridge which provides the same features, carried and crossed on approximately the same alignment. Note, if a bridge is being replaced for both substandard condition and substandard geometry, use code 121, Bridge Replacement: Structural.

220 Deck Replacement: Replace the entire deck. Some additional improvements to the superstructure and substructure may be included. However, the entire superstructure or substructure is not being replaced.

230 Superstructure Replacement: Replace the entire superstructure. Some additional improvement to the substructure may be included. However, the entire substructure is not being replaced.

240 General Rehabilitation: General improvements are made to various portions of a bridge. However, the deck, superstructure and substructure are not replaced.

410 Bridge Removal: Remove a bridge without replacement.

420 Partial Bridge Removal: Remove part of a bridge to prevent use.
RC21 Work History

Contract Maintenance Work Codes:

Cyclical Maintenance Work Activities

311 Bridge Cleaning: Clean deck, superstructure and substructure to remove salt, dirt and grit.
312 Bridge Painting: Prepare and paint existing steel.

Corrective Maintenance Work Activities

*323 Bridge Repairs on Demand: Work performed in response to flagged condition reports or emergency situations.
*324 Bridge Repairs (5 to 7 year cycle): Work done on structures with a condition rating better than 4.75 aimed at preventing the structure from becoming deficient for 5 years.

*000 Other: Any other bridge maintenance not identified in other applicable code entries. (CommentField entry required see note 1-2)

Note 1-1: Codes listed that are followed by an Asterisk (*) are general codes that cover wide areas of work types that can be performed. If you choose to utilize one of these codes as a “work type code” on the Work History Transaction form (RC-21) enter the corresponding codes for the specific type of work performed in the “comments” field.

Note 1-2: The “000 - Other” code and the “H35 -Repair Other Members” code when utilized needs to be followed by a written description of the work type performed in the comments field of the Work History Transaction Record (RC-21) a maximum of 46 characters can be placed in the comments field.

General Work Codes

110 - New Bridge
121 - Bridge Replacement (Structural)
122 - Bridge Replacement (Functional)
220 - Bridge Deck Replacement (Deck Only)
230 - Superstructure Replacement
240 - General Rehabilitation* (Comment Field entry required. -see note 1-1)
410 - Bridge Removal (No Replacement)
420 - Partial Bridge Removal (to prevent use of the bridge)
311 - Bridge Cleaning
312 - Bridge Painting (Existing Steel)
323 - Bridge Repairs on Demand (repairs due to flagging or emergencies)* (see note 1-1)
324 - Bridge Repairs (5 to 7 year cycle)* (Comment Field entry required. -see note 1-1)
Applicable Codes
059 - Replace Wearing Surface (Other than, 364 or 365)
071 - Bridge Improvements* (Comment Field entry required. -see note 1-1)
073 - Safety Improvements* (Comment Field entry required. -see note 1-1)
075 - Raise Bridge to Increase Clearance
076 - Repair and /or Replace Wingwalls
077 - Repair and /or Replace Backwalls
078 - Replace Joint System
079 - Maintain and Repair Compression Joints
080 - Maintain and Repair Wearing Surface
081 - Replace Curbs
082 - Replace Sidewalk and Fascia
083 - Replace Railing
084 - Repair Light Standards and Fixtures
085 - Repair or Replace Scuppers and Drains
F61 - Install and/or Repair Guide Rail and Median Barrier
F81 - Install and/or Repair Impact Attenuators
G61 - Maintain Stream Channels and Culverts
G81 - Maintain Bank Protection and Walls (Scour)
H11 - Clean Pier Caps and Abutments
H13 - Waterproof Bridge Seats and Pier Caps
H15 - Repair, Replace, or Add to Concrete Substructures
H16 - Repair Substructures with Shotcrete
H18 - Non-concrete Repairs to Substructures
H19 - Repair and /or Replace Slope Block Paving
H21 - Replace and/or Repair Wingwalls
H29 - Clean and Lubricate Bearings
H31 - Repair Bearings (non-working bearings)
H33 - Straighten, Repair, and/or Replace Structural Members
H34 - Repair Concrete Members
H35 - Repair Other Members* (Comment Field entry required. -see note 1-2)
H38 - Clean Superstructure
H41 - Repair Seats and Pedestals
H42 - Repair Columns and Cap Beams
H43 - Repair Abutments and Wingwalls
H44 - Repair Steel Substructure
H45 - Maintain Erosion and Scour Protection
H47 - Repair Foundations
H51 - Maintain and Repair Structural Bridge Deck
H53 - Clean, Free, and Repair Joint Mechanism
H55 - Maintain and Repair Compression Joints
H57 - Maintain and Repair Wearing Surface
H58 - Remove Wearing Surface
H59 - Replace Wearing Surface (Asphalt Concrete)
H60 - Place Waterproof Membrane
H61 - Maintain and Repair Curbs
H62 - Repair Bridge Fascia
H63 - Repair Sidewalk and Fascia
H64 - Repair Parapets
H65 - Maintain and Repair Damaged Railing
H67 - Replace Light Standards and Fixtures
H69 - Waterproof Bridge Deck
H72 - Waterproof Curb, Sidewalk, and Fascia
H73 - Clean and Seal Deck Joints and Cracks
H75 - Maintain Scuppers and Drains
RC21 Work History

H76 - Repair Drainage Systems
H81 - Clean and Paint Metal Surfaces
H82 - Sandblast Structural Steel
H83 - Clean and Paint Bridge Railing
H85 - Paint Concrete
H87 - Paint Bridge Curb
H88 - Install Pressure Relief Joints - Structure
H97 - Maintain and Repair Electrical and Mechanical Equipment
000 - Other* (see note 1-2)

ITEM: Month

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PROCEDURE:
Record the 2 digit number of the month in which the work was completed. If you are recording data for a project that will be completed in the future, use the Contract Completion Date.

CODING:
Accepts the numeric characters 01 - 12.

ITEM: Year

NYSDot

PROCEDURE:
Record the 2 digit year in which the work was completed. If you are recording data for a project that will be completed in the future, use the Contract Completion Date.

CODING:
Accepts numeric characters 00 - 99.

ITEM: Contract Number

NYSDoT

PROCEDURE:
Record the contract number for the project as recorded on the record plans, left justified. If there is no contract number, leave this Item blank.

CODING:
Accepts all standard keyboard characters and blanks.
ITEM: Type of Contract

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PROCEDURE:
Record the type of contract under which the work was completed.

CODING:
1 - Bid Contract No longer used.
2 - Force Account Work performed by in-house forces other than Owner; e.g., railroad.
3 - In-house Maintenance Work performed by Owner's In-house maintenance forces.
4 - Maintenance Project Work performed by contractor using Maintenance funds.
5 - Capital Project Work performed by contractor using Capital Funds.
0 - Other
* - Unknown

ITEM: Money Value

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PROCEDURE:
Record the value of the project in dollars. If you are recording data for a project that will be let in the future, use the associated money value from the engineer's estimate.
If money values are entered for Non-Capital project work, the type of work performed and the cost of this work, must be recorded in the "Comments" Item.

CODING:
Accepts numeric values from 0 to 9999999999 and blanks.

ITEM: Comments

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PROCEDURE:
Record any additional comments up to 46 characters needed to clarify the description of the work or costs.
If this is a Bridge Replacement project which required the BIN to be changed, include the statement: "Bridge Replaced - was BIN xxxxxxx."

CODING:
Accepts all standard keyboard characters.

ITEM: Designer Name

This code is for future use.

ITEM: Designer Organization

This code is for future use.

ITEM: PIN

This code is for future use.