

U.S. DEPARTMENT OF ENERGY
Facilities Information Management System (FIMS)
REQUEST FOR CHANGE*
Chg. Req. #09-06 (rev. 1)

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AFFILIATION (CK ONE):

DOE

OTHER
FED

CONTRACTOR NAME:

PROPOSED CHANGE:

IN SUPPORT OF DEPARTMENT OF TRANSPORTATION ANNUAL NATIONAL BRIDGE INVENTORY

1. Establish three (3) new Usage Codes to discriminate between publically accessible and non-publically accessible bridges.

- 1168 Public Access Bridge (Walking)
- 1468 Public Access Bridge (Train)
- 1768 Public Access Bridge (Vehicular)

2. Establish a new data element to capture a "Safety Inspection Date" for bridges only. The Inspection Date (DEFM_INSPECT_DATE) was used for the past report, however it is unclear if the inspection completed on this date satisfies the required safety inspection. Additionally, the safety inspection is required to be completed more frequently than the condition assessment date captured in the Inspection Date (DEFM_INSPECT_DATE) field. Reference the attached OECM memo of 14 Sep 2009 for inspection intervals. This "Safety Inspection Date" would be collected for both new and existing bridge usage codes (1168, 1468, 1768, 1169, 1469, and 1769).

IN SUPPORT OF DEPARTMENT OF TRANSPORTATION PUBLIC ROAD MILEAGE SURVEY

1. Establish four (4) new data elements to track "Public Access Miles", "Public Access Lane Miles", "Non-Public Access Miles", and "Non-Public Access Lane Miles".

2. The Unit of Measure for "Public Access Miles" and "Non-Public Access Miles" would be miles (linear) and the Unit of Measure for "Public Access Lane Miles" and "Non-Public Access Lane Miles" would be lane miles (miles of road X number of lanes).

3. The new data elements would only be required for OSF Usage Codes
1729 Primary Roads
1739 Secondary Roads
1749 Tertiary Roads

4. If these data elements are added, the new road OSF Usage Codes requested on Change Request 09-06 would not be needed. Additionally, this method would not place the burden on sites to break apart their existing FIMS "road" records.

5. If the FIMS "road" record contains no publicly accessible roads, then a zero would need to be populated in these "Public Access Miles" and "Public Access Lane Miles" data elements. Likewise if no non-public accessible roads exist, the "Non-Public Access Miles" and "Non-Public Access Lane Miles" data elements would be populated with zero.

Recommend use of the following definitions:

Bridge: a structure including supports erected over a depression or an obstruction, such as

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water, highway, or railway, and having a track or passageway for carrying traffic or other moving loads, and having an opening measured along the center of the roadway of more than 20 feet (6.1 meters) between undercopings of abutments or spring lines of arches, or extreme ends of openings for multiple boxes; it may also include multiple pipes, where the clear distance between openings is less than half of the smaller contiguous opening. (23 CFR 650.3)

Open to public travel: the road section is available, except during schedule periods, extreme weather or emergency conditions, passable by four-wheel standard passenger cars, and open to the general public for use without restrictive gates, prohibitive signs, or regulations other than restrictions based on size, weight, or class of restriction. Toll plazas of public toll roads are not considered restrictive gates. (23 CFR 460.2)

Public road: any road under the jurisdiction of and maintained by a public authority and open to public travel. (23 CFR 460.2)

Safety Inspection Date: date of inspection conducted in accordance with 23 CFR 650.301 for vehicle bridges **or** with 49 CFR Part 213 and the Manual of Railway Engineering, American Railway Engineering and Maintenance-of-Way Association for train bridges **or** with a customized inspection plan based on American Association of State Highway and Transportation Officials (AASHTO) MCEB-2-M, Manual for Condition Evaluation of Bridges for pedestrian bridges. This date field must be changed to represent the most current inspection date within thirty (30) days of inspection completion.

JUSTIFICATION:

New Usage Codes and Inspection Dates for Bridges

Pursuant to 23 CFR Part 650, Subpart C - National Bridge Inspection Standards, the U.S. Department of Transportation, Federal Highway Administration (FHWA) maintains the National Bridge Inventory (NBI). The NBI is a database of information cataloging the Nation's bridges located on public roads as well as publicly-accessible bridges on Federal lands. This database is supported by an annual data call to each State and Federal agency. The Department of Energy (DOE) supports this effort.

By qualifying usage by public access and clarifying the inspection date, the annual report can be prepared without relying on a data call to the field.

New Dimensions for Roads

Per 23 CFR Part 460.3 – Public Road Mileage for Apportionment of Highway Safety Funds, the U.S. Department of Transportation, and Federal Highway Administration (FHWA) is required to make a determination of the public road mileage certified by States for apportionment of funds. In an effort to assist states in identifying publically assessable roads on Indian reservations and Federal installations, the FHWA requests that each agency submit such data annually.

By qualifying usage by public access, the annual report can be prepared without relying on a data call to the field.

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Anticipated Impact on FIMS Users:
New Usage Codes and Inspection Dates for Bridges

The DOE real property inventory contains 60 bridges: 12 footbridges, 5 of which are public access; 43 operational vehicle bridges, 9 of which are public access; 4 operational, controlled access train bridges; and, 1 non-operational, controlled access train bridge.

This change would require changes to usage codes for approximately 14 existing records and population of the Safety Inspection Date for all 60 records.

New Dimensions for Roads

Current information indicates that DOE owns approximately 3,141 miles (5,328 lane miles) of roads comprised of: 1,014 miles of Primary Roads; 1,130 miles of Secondary roads; and, 997 miles of Tertiary Roads. Approximately 142 miles of roads are publically accessible.

This change would require sites to allocate public-access and controlled access mileage within the existing record. Anticipate that this change would impact every site with roads.

PLEASE DO NOT TYPE BELOW THIS LINE

REMARKS (REVIEWERS, PLEASE ADD YOUR SIGNATURE AND DATE):

FAC APPROVED, NOVEMBER 5, 2009

FDDC APPROVED, NOVEMBER 24, 2009

IMPLEMENTED INTO FIMS V1.31 ON JANUARY 7, 2010

***USE THIS FORM TO REQUEST A CHANGE TO FIMS' DATA BASE PROGRAM, POLICY, PROCEDURE OR DOCUMENTATION.**

MAIL COMPLETED FORM TO: JANE NATIONS
Y12 NATIONAL SECURITY COMPLEX
PHONE (865) 574-4082

OR DOWNLOAD FORM FROM: FIMS WEB PAGE: <http://fimsinfo.doe.gov/downloads.htm>
COMPLETE FORM AND E-MAIL TO: nationsja@y12.doe.gov