

**U. S. Department of Energy
Facilities Information Management System
Request for Change
Change Request #:15-02**

Requestor Name:	Cindy Hunt	Date:	11/21/2014	Affiliation:	
Email Address:	cindy.hunt@hq.doe.gov	Phone No:	202-586-4539	DOE	X
Program Office:	Office of Acquisition and Project Management			Contractor	
Proposed Change:	<p>1. Establish a new data element, "Public Road Location":</p> <p>For OSF records with a usage code of 1729 – <i>Primary Roads</i>, 1739 – <i>Secondary Roads</i>, or 1749 – <i>Tertiary Roads</i> and with "Public Access Miles" greater than zero (0), include the unique identifier for a given roadway inventory route using the State's linear referencing system or procedures for determining and retaining a record of specific points along a highway. Typical methods used are milepoint, milepost, reference point, and link-node. For example: County Road 11; milepost 11 to milepost 14 on State Route 14.</p> <p>"Public Road Location" should be required for OSFs with a Usage Code of 1729, 1739, or 1749 and with "Public Access Miles" greater than zero (0). It should be limited to 100 characters.</p> <p>2. Establish a new standard report to display the Department's inventory of public access roads. Attachment A identifies data elements proposed for report inclusion.</p> <p>3. Establish a new data element, "Number of Lanes on the Structure", for OSFs with usage codes 1768 - <i>Public Access Bridges (Vehicular)</i>, 1769 - <i>Controlled Access Bridges (Vehicular)</i>.</p> <p><u>Definition for "Number of Lanes on the Structure"</u>: The number of lanes being carried by the structure including all lanes carrying highway traffic (i.e., cars, trucks, busses) which are striped or otherwise operated as a full width traffic lane for the entire length of the structure. Include any full width merge lanes and ramp lanes independent of directionality of usage (for example, a one-lane bridge carrying two-directional traffic is still considered to carry only one lane on the structure).</p> <p>This field should be a 2-digit number.</p> <p>4. Establish a new data element, "NBI Structure Number" to identify bridges and culverts included in the National Bridge Inventory (NBI). Initially, OAPM will populate this field.</p> <p><u>Definition of "NBI Structure Number"</u>: The unique DOE-assigned identification number established, (usually the FIMS Property Sequence Number) used to identify a structure in the NBI. Once established, this number should not</p>				

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	<p>change.</p> <p>This field should be a limit of 15 characters.</p> <p>5. Establish a new FIMS standard report to display the current safety inspection status of the Department's NBI bridges. Attachment A identifies data elements proposed for report inclusion.</p> <p>6. Update FIMS standard report 068 to include the new "NBI Structure Number" field.</p>
Justification	<p>Proposed changes 1 and 2 will make the Department's reporting compliant with 23 Code of Federal Regulations (CFR), Part 460.3, Public Road Mileage for Apportionment of Highway Safety Funds.</p> <p>IMPACT: As of FY 2013, the Department had approximately 50 records with a usage code of 1729, 1739, or 1749 and with "Public Access Miles" greater than zero (0).</p> <p>Proposed changes 3 through 6, support planned actions (22.E.31.0, 22.E.31.0) identified in the Department of Energy National Bridge Inspection Standards (NBIS) Compliance Review Plan of Corrective Actions dated July 28, 2014 to improve inventory data management and reporting.</p> <p>IMPACT: In April 2014, the Department of Energy reported eight (8) structures to the NBI. The Departmental inventory of operating vehicle bridges is approximately 57. The Departmental inventory of culverts is approximately 26; however, some sites have not yet separated culverts from road records.</p>
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FAC Remarks:	<p>12/2/2014 - FAC Recommended after culverts (Usage Code 2629) are removed from the scope of this change.</p> <ul style="list-style-type: none"> • Culverts present an implementation difficulty because some sites have a significant number of culverts. For example, PANTEX has over 44,000 LNFT of culverts in various services with differing significance to traffic safety, bridge safety and compliance with applicable Federal Highway Administration regulations. The change requester agreed to remove culverts and culvert inventory from the scope of the change and lead further discussion/evaluation, outside of the FIMS Change Request process, on the best approach to implement the intent of this change for culverts. • See FAC meeting minutes for December 2, 2014 for other discussion and details from the FAC conference call.
OAPM Remarks:	<p>Proposed revision to data element definition for "Public Road Location" to accommodate use of GPS location coordinates to identify roadway location:</p> <p>For OSF records with a usage code of 1729 – Primary Roads, 1739 – Secondary Roads, or 1749 – Tertiary Roads and with "Public Access Miles" greater than zero (0), include the</p>

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	<p>unique identifier for a given roadway inventory route using the State's linear referencing system, global positioning system coordinates as pure decimal numbers, or other local procedures for determining and retaining a record of specific points along a highway. Typical methods used are milepoint, milepost, reference point, and link-node. For example: County Road 11; milepost 11 to milepost 14 on State Route 14. An example of a global positioning system coordinate is 38.88952, -77.03527.</p> <p>See attachment B for information that will need to be loaded at implementation.</p>
FDDC Remarks:	12/11/2014 – FDDC Approved
Implemented:	02/25/2016 –Implemented into FIMS v2.28

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Attachment A

Data Elements proposed for inclusion in a new standard report to display the Department's inventory of **public access roads**:

- Congressional District
- Field Office
- Geographic City Description
- Geographic County Description
- Geographic State Description
- Location ZIP Code
- Ownership
- Primary Dimension
- Primary Quantity
- Program Office
- Property ID
- Property Name
- Public Road Location
- Real Property Unique ID
- Replacement Plant Value
- Roads-Non-Public Access Lane Miles
- Roads-Non-Public Access Miles
- Roads-Public Access Lane Miles
- Roads-Public Access Miles
- Site Name
- Status
- Usage Code
- Usage Description

The report shall also include the applied data criteria and definitions for Usage Codes 1729, 1739, and 1749.

Data Elements proposed for inclusion in a new standard report to display the Department's inventory of **bridges and culverts**:

- Congressional District
- Deferred Maintenance
- Field Office
- Geographic City Description
- Geographic County Description
- Geographic State Description
- Inspection Date
- Location ZIP Code
- NBI Structure Number

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- Number of Lanes on the Structure
- Ownership
- Primary Dimension
- Primary Quantity
- Program Office
- Property ID
- Property Name
- Real Property Unique ID
- Replacement Plant Value
- Safety Inspection Date
- Site Name
- Status
- Usage Code
- Usage Description
- Year Built

The report shall also include the applied data criteria.

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Attachment B

From: Hunt, Cindy
Sent: Wednesday, December 17, 2014 1:05 PM
To: Gordy, Mark (CONTR); Smith, Gayle (CONTR)
Cc: Dalby, Phil; Hunt, Cindy
Subject: NBI Structure Numbers ISO FIMS RFC 15-02

Good Afternoon,

Here are the NBI Structure Numbers associated with our public access vehicle bridges:

Program Office	Site Name	Real Property Unique ID	Property ID	NBI Structure Number	Property Name
EM	Portsmouth Gaseous	207245	X-202B	00000000207245	South Fog Road Bridge
EM	Paducah Gaseous	207240	Water Works Bridge	00000000207240	Water Works Road Bridge
LM	Rocky Flats, CO, Site	210269	RFS-OSFS-BRIDGE	00000000210269	BRIDGE
NE	Idaho National Lab-Scoville	205029	B23-701	00000000205029	Concrete Bridge on Taylor Blvd
NE	Idaho National Lab-Scoville	200677	WMF-726	00000000200677	Adams Boulevard Bridge
NNSA	Los Alamos National Laboratory	86471	43-0434	00000000007622	LOS ALAMOS CANYON BRIDGE
SC	Oak Ridge Office	206350	1768-730E398003 Box	00000000206350	Box Culvert Bridge Bear Creek Rd
SC	Oak Ridge Office	206348	1768-K1250-4 SpanBDG	00000000206348	Span Bridge K-1250-4

We need the leading zeros to maintain the 15 digit format.

Please let me know if you need additional information.

Thanks,
Cindy

Cindy Hunt, PE, PMP, CCP, CFM, LEED AP
 Facilities Engineer
 U.S. Department of Energy
 Office of Property Management (MA-65)