

**U. S. Department of Energy
Facilities Information Management System
Request for Change
Change Request #: 17-22**

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| Requestor Name: | Cindy Hunt | Date: | 5/26/2017 | Affiliation: | |
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| Program Office: | Office of Asset Management (MA-50) | | | Contractor | |
| Proposed Change: | <p>1. Revise the Primary Unit of Measure for Usage Code 2629, Culvert From: Linear Feet To: Culvert Length in Linear Feet</p> <p>2. Revise the description of Usage Code 2629, Culvert as follows:</p> <p>A transverse structure, pipe, or series of multiple pipes constructed to convey water or utilities under a road or railway.</p> <p>Before choosing this usage code, determine <u>Structure Length</u> and <u>Opening Area</u> of the structure, pipe, or series of multiple pipes. See Appendix C of the FIMS User's Guide for a definition of <u>Structure Length</u> included with the definition of Usage Code 1768-Public Access Bridge (Vehicular). See Note 1 for a definition of <u>Opening Area</u>.</p> <p>Use the following criteria in the order listed to identify the usage code for a structure, pipe, or series of multiple pipes that is under a road:</p> <ul style="list-style-type: none"> • Structure Length greater than or equal to 20 feet - apply Usage Code 1768 or 1769, • Opening Area less than 20 square feet - include as part of the infrastructure system by which the assets are maintained and managed (see Note 2), • All other cases - record as an individual property record in FIMS and apply Usage Code 2629. <p>Use the following criteria in the order listed to identify the usage code for a structure, pipe, or series of multiple pipes that is under a railway:</p> <ul style="list-style-type: none"> • Structure Length greater than or equal to 10 feet - apply Usage Code 1468 or 1469, • Opening Area less than or equal to 20 square feet - include as part of the infrastructure system by which the assets are maintained and managed (see Note 2), • All other cases - record as an individual property record in FIMS and apply Usage Code 2629. <p>When applying Usage Code 2629, the primary unit of measure is <u>Culvert Length</u>. See Note 3 for a definition.</p> | | | | |

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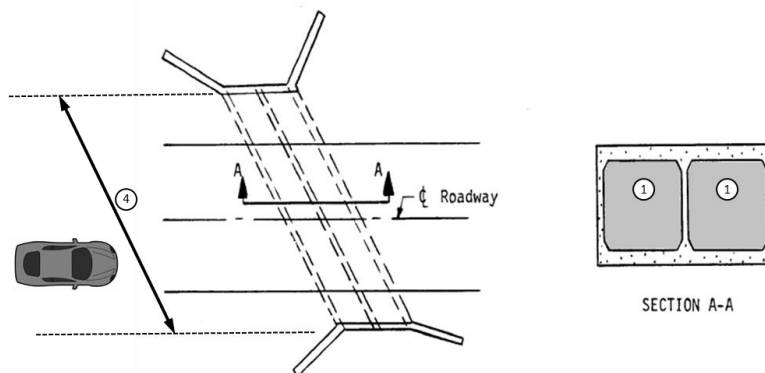
[FHWA-IP-86-2, Culvert Inspection Manual](#) provides industry inspection standards for culverts.

Note 1: The Opening Area is the total cross-sectional area, measured in square feet. Consider a series of multiple pipes as a single unit when the clear distance between openings is less than half of the smaller contiguous opening. The Opening Area is indicated by ① in the examples below.

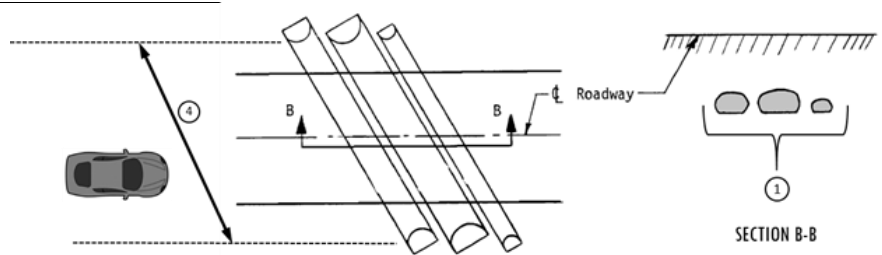
Note 2: When including these assets with other infrastructure system such as Roads, Piping-Gravity (Stormwater), or others depending on site precedent, use the notes section to record basic information about the smaller assets, such as: Individual ID #, Size, Length, or GPS coordinates to support site management practices.

Sites always have the option of recording a structure as an individual property record in FIMS when deemed critical to site operations, when site topography heightens the risk of flooding or overtopping, or to support site management practices.

Note 3: The Culvert Length is measured longitudinally along the structure, pipe, or series of multiple pipes. The Culvert Length is indicated by ④ in the examples below.



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Justification: The National Bridge Inspection Standards and Railroad Bridge Safety Standards define reportable bridges, including hydraulically designed structures, by structure length. For structures that do not meet the defined thresholds, these standards leave inventory protocol and inspection requirements to Agency discretion.

The proposed change clarifies the definition of “Culvert” and when the structure must have an individual FIMS record.

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| FAC Remarks: | 06/14/2017 – FAC Recommended |
| OAM Remarks: | |
| FDDC Remarks: | 06/26/2017 – FDDC Approved |
| Implemented: | 08/28/2017 – Implemented into FIMS 3.0 |