

## FRACTURE CRITICAL INSPECTION DELIVERABLES

A. Fracture Critical Inspections SHALL include the following files:

1. Inspection Reports (BR293): This form include the following parts:

<b>BR 293 Cover - Fracture Critical Inspection Report - Cover Page and table of content</b>
<b>BR 293 Exec - Fracture Critical Inspection Report - Executive Summary (Required for state bridges.)</b>
<b>BR 293a - Fracture Critical Inspection Report - Introduction</b>
<b>BR 293b - Fracture Critical Inspection Report - Bridge Orientation/Layout</b>
<b>BR 293c - Fracture Critical Inspection Report - Identification of <u>All</u> Fracture Critical Members/Details</b>
<b>BR 293d - Fracture Critical Procedural Report</b>
<b>BR 293e - Fracture Critical Inspection Report - NBIS Condition Rating</b>
<b>BR 293f - Fracture Critical Inspection Report - Reference Photos/Sketches</b>
<b>BR 293g - Fracture Critical Inspection Report - Summary &amp; Conclusions</b>
<b>BR 293h - Fracture Critical Inspection Report - Follow-up Procedure and Appendix table of content</b>

Note: All BR293 series forms have been combined into a single report and shall be submitted in electronic (.pdf and .docx) formats. Inspection Photos

Note: All photos shall be submitted in electronic (.jpg) format thru BrM

2. BrM on line submittal
3. Fracture Critical Inspection report MAY include any of the following files:
  - a. Channel cross-section field measurements and plot of current and past cross sections superimposed on one plot.
  - b. DR7 – Special inspection Report which shall be completed at all FC Inspections AND Special Inspections. Submit in both .pdf and .docx formats.
  - c. DR27 – Structure Maintenance Checklist if needed in .pdf format
  - d. DR320 – Critical Finding Report in .pdf and .docx formats
  - e. DR321 – Structure Repair Report in .pdf format
  - f. Rating Calculations
    - a. When LARS is used to perform analysis the report generated from Detail-All Checkpoints-Flexural Member Report (FLXRPT.LIS) must be included in electronic (.lis) format
    - b. If a spread sheet is used for additional computations one working copy must be submitted in electronic (.xlsx or xls) format
  - g. Intelligent PDF Form

- h. Load Rating Report (LRSS)
- i. Plans or Measurements

Note: All of the above items shall be submitted in electronic (.pdf) format. All other formats, including Word (.doc) format will NOT be accepted.

- j. LARS Model

Note: All LARS files shall be submitted in electronic (.bmd) format. In the event the structure cannot be analyzed using LARS software, an electronic file shall be submitted in the format unique to that software.

## NAMING CONVENTIONS

**A. Create folders for each structure**

1. Example
  - a. **C000100305**

**B. All files below shall be named as:**

**STRUCTURE NUMBER\_FORM NAME OR SUBMISSION CATEGORY \_4 DIGIT YEAR 3  
DIGIT MONTH**

**1. Year and Month shall be for the date the file was created**

**2. Examples**

- a. Fracture Critical Inspection Report: **C000100305\_DR293\_2011FEB.pdf**
- b. Structure Maintenance Checklist: **C00010030\_DR27\_2011FEB.pdf**
- c. Critical Finding Reports: **C00010030\_DR320\_2011FEB.pdf**
- d. Structure Repair Reports: **C00010030\_DR321\_2011FEB.pdf**
- e. Rating Calculations (other than LARS output):  
**C00010030\_Calcs\_2011FEB.pdf**
- f. Intelligent PDF Form: **C00010030.pdf**
- g. Load Rating Report (LRSS): **C00010030\_LRSS\_2011FEB.pdf**
- h. Measurements: **C00010030\_Field Measurements\_2011FEB.pdf**

**3. Exceptions include:**

- a. LARS Model: **C00010030\_2011FEB.bmd**
- b. Plans: **C00010030\_01.pdf**  
**C00010030\_02.pdf**
- c. Inspection Photos: **C000100305\_Y11\_01.jpg**  
**C000100305\_Y11\_02.jpg**
- d. Rating Calculations - LARS output: **C000100305\_FLXRPT\_2011FEB.LIS**
- e. ~~Pontis File: COUNTY NAME\_FC\_2011FEB~~  
**BURT\_FC\_2011FEB.pdi**

## FRACTURE CRITICAL INSPECTION SUBMISSION PROCEDURES

All Fracture Critical Inspection reports, which cannot be submitted through BrM, shall be submitted using the NDOR FTP site. E-mail attachments and CD's will NOT be accepted.

1. Folders shall be created for each structure under each of the predefined submission categories that are applicable to each inspection



Individual files shall be placed within these folders

2. A single CD containing all submission data shall be submitted directly to the Bridge Owner

## BRM SUBMISSION

- A. BrM entries shall be completed within 30 days of inspection

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