

State of Louisiana  
Department of Transportation and Development (DOTD)  
Materials and Testing Section Approved Materials Procedure  
For

**GUARDRAIL END TREATMENTS (NCHRP 350)**

**MATERIAL SPECIFICATION REFERENCE:**

DOTD STANDARD SPECIFICATION AND PAY ITEM, 704.03.4

**APPROVED MATERIAL EVALUATION SUBMITTAL:**

The complete submittal must include:

- Complete Approved Materials Evaluation form
- Letter requesting evaluation of the device
- Product data sheets
- Manufacturer's specifications
- Federal Highway Administration (FHWA) eligibility letter
- Full scale crash test reports as per the latest NCHRP Report 350 requirements

NOTE: Evaluation will not begin until all required items listed above are received by the Materials Laboratory.

**TEST REQUIREMENTS:**

Prior to submitting an "Approved Materials Evaluation Form" to the Materials and Testing Section, the manufacturer shall have successfully completed the requirements of the latest NCHRP Report 350 crash test requirements for end treatments. The crash test results obtained will be used in the evaluation of this product.

**GENERAL:**

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the Approved Materials List (AML). The DOTD Materials and Testing Section Coordinator and the Bridge Design Section Coordinator shall be notified in writing of any change from the original product submittal. The Department reserves the right to re-evaluate any product or individual material at any time. A certificate of compliance of the produce shall be submitted annual to the DOTD Testing Section Coordinator to remain on the AML.

It is also the manufacturer's responsibility to supply the contact information of the representative responsible for the material to the Material's Section Coordinator to remain on the AML. This is done by completing the Approved Materials Evaluation Form every two (2) years or when there is a change in the manufacturing representative responsible for the product.

**PROJECT ACCEPTANCE REQUIREMENTS:**

The inclusion of any products on the AML is not blanket approval for its use. All products, regardless of prior approval, shall be evaluated based on in-service field performance evaluation.

**DISQUALIFICATION AND REMOVAL:**

Any material may be removed from the AML at any time. Causes for removal from the AML may include, but are not limited to the following:

- Non-conformance with specifications
- Performance requirements as per in-service field evaluation
- Failure to notify the Department of any change in material formulation
- Failure of the supplier to provide proper certifications as required by this procedure
- Failure to supply current contact information for the material representative in accordance with this procedure.

**REQUALIFICATION:**

Any product which has been disqualified and/or removed from the AML will be considered for re-evaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification and/or removal have been resolved.

**DOTD BRIDGE DESIGN SECTION COORDINATOR:**

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Approved 12/15/17



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