Guardrail/Guard Cable/Fence QA Audit Guide

The intent of this Inspection Guide is to assist the inspector in performing a thorough Facility Quality Assurance Review and/or a Project Site Quality Assurance Review.

The frequency of each type of review are proposed at a minimum of once per month, per active supplier. Inspection can be for single product chosen from all products covered under this specification. If problems are determined during the inspection of one product, the inspection should be expanded to look at all products. Chosen products should be rotated for each inspection to assure all products are reviewed over time. Emphasis should be place on any product which repeatedly has issues.

Cognos report *Guardrail Shipments by District* is available to help determine active suppliers in your District and when to perform a review based on quantity shipped.

The “[Guardrail Inspection Checklist](http://epg.modot.mo.gov/forms/CM/GuardrailInspectionChecklist.pdf)” form should be completed for each inspection and saved in the appropriated location. Physical inspection of the yard/project and products must be completed as well as the documentation check. A review of the manufacturer’s certifications and necessary test results is required and the supplier is required to supply these documents to the inspector upon request. A PowerPoint detailing guardrail inspection can be found under “Figures” on this page.

Lab sample frequency should be as detailed in [EPG table 1040.2.1.2](http://epg.modot.org/index.php?title=Category:1040_Guardrail%2C_End_Terminals%2C_One-Strand_Access_Restraint_Cable_and_Three-Strand_Guard_Cable_Material#Table_1040.2.1.2_Sampling_Requirements).

Finally, samples of materials shall be taken at a minimum of, one sample, or group of samples, shall be taken for those materials that have shipped significant quantity to a MoDOT jobsite. Samples shall be submitted to the Central Laboratory for testing. Additional samples may be taken and tested

Upon completion of your Quality Assurance Review, create a SM sample record as described in [Create a SM Sample Record](http://epg.modot.org/index.php?title=106.12_Pre-Acceptance_Lists_%28PAL%29#Create_a_SM_Sample_Record). Also create additional SM sample records as required by the applicable Engineering Policy Guide article for each sample taken.