

Construction Advisory

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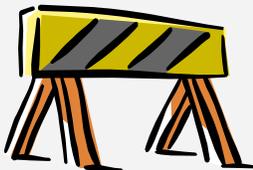
Index: Structures

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Construction Advisory
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BJO:PJ

Bridge Mounted Light Standard Anchor Bolt Assemblies

This construction advisory serves as a reminder for the acceptability of light standard anchor bolt assemblies cast into bridge barrier or railing on department bridges. All light standard anchor bolt assemblies, whether supplied and installed by the contractor or by another agency, must meet MDOT specifications when installed on department bridges. Although bridge mounted light standards may be inspected during scheduled bridge inspections, they do not receive scheduled inspections throughout their service life similar to tower lights or cantilever sign supports. The foundation anchor bolts are critical to ensuring the structural capacity of the light standard throughout the design life. The following specifications must be adhered to.

MDOT Standard Plan B-103-E contains specifications for anchor bolt diameter, length, embedment and couplers. Anchor bolts and associated hardware must conform to section 908.15 of the standard specifications, and must be sampled in accordance with section 908.15 of the Materials Acceptance Requirements Table in the Materials Source Guide, at a frequency of one per heat per diameter per project. Any anchor bolt assemblies containing deviations from the standard plans should be called to the attention of the Bridge Operations Section. Samples from non-standard anchor bolt assemblies should be accompanied by shop drawings and all samples should be accompanied by test data certifications.

Anchor bolt installation and tightening using the "turn of nut" procedure must be conducted in accordance with Section 810.03.N of the standard specifications.

This construction advisory also serves as a reminder to utilize the utilities section of the Bridge Inspection Report form to note any deficiencies of the light standard base or anchor bolts when conducting bridge inspections.