

South Carolina Department of Transportation

Engineering Directive

Directive Number: ED-42 **Effective:** December 11, 2020

Subject: Inspection and Maintenance of Guardrail, Cable Barrier, and Crash Attenuators

References: None

Primary Department: Maintenance

All activities associated with the inspection and maintenance of guardrail, cable barrier, and crash attenuator devices will be performed in accordance with the South Carolina Department of Transportation's (SCDOT) manual entitled "SCDOT Guardrail, Cable Barrier, and Crash Attenuator Inspection and Maintenance Guidelines," latest edition. This manual establishes procedures for the formal (walk-through) inspection of all guardrails, cable barrier, and crash attenuators located on the state highway system. It also gives guidance for the prioritization of repairs and time parameters for which repairs must be completed, based on the severity of the damage and the functionality of the barrier system. These guidelines will be updated as necessary to comply with changes in guardrail design or policy changes affecting the timeliness of repairs or inspection.

Each District Engineering Administrator will notify the Director of Maintenance no later than January 10 of each year that inspections of guardrail, cable barrier, and attenuator systems in his or her district have been formally inspected in accordance with the guidelines. The Director of Maintenance will then report to the Deputy Secretary for Engineering that all barrier systems in inventory have been inspected in accordance with the guidelines.

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Recommended by: Andrew T. Leaphart, P.E.
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Approved by: Leland Colvin, P.E.
Deputy Secretary for Engineering

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