

# INDIANA DEPARTMENT OF TRANSPORTATION



INTER-DEPARTMENT COMMUNICATION

Standards Section – Room N642



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## DESIGN MEMORANDUM No. 05-12 TECHNICAL ADVISORY

**TO:** All Design, Operations, District Personnel, and Consultants

**FROM:** /s/ Anthony L. Uremovich  
Anthony L. Uremovich  
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**SUBJECT:** Relationship Between Guardrail End Treatment and Guardrail Length of Need

**SUPERSEDES:** *Indiana Design Manual Section 49-5.04(04) Item 2*

**EFFECTIVE:** January 18, 2006, Letting

Some guardrail end treatments (GRET) can function as typical guardrail as described below.

1. GRET Type OS. An 11.43-m (37.5-ft) portion of the downstream end of a GRET type OS can function as typical guardrail and can be considered as part of the length of need in advance of the obstruction. Therefore, where GRET type OS is warranted, the pay length for the guardrail run is equal to the required length of need for the guardrail minus 11.43 m (37.5 ft).
2. GRET Type MS. A 3.81-m (12.5-ft) portion of the downstream end of a GRET type MS can function as typical guardrail and can be considered as part of the length of need in advance of the obstruction. Therefore, where GRET type MS is warranted, the pay length for the guardrail run is equal to the required length of need for the guardrail minus 3.81 m (12.5 ft).

These reduced pay lengths are to be reflected in the guardrail lengths shown on the plans.

For a consultant-designed project, there can be no increase in design fee for making necessary plans changes.

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