



# INDIANA DEPARTMENT OF TRANSPORTATION

*Driving Indiana's Economic Growth*

## Design Memorandum No. 10-04 Technical Advisory

January 5, 2010

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

**FROM:** /s/ Anthony L. Uremovich  
Anthony L. Uremovich  
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**SUBJECT** Mechanically-Stabilized-Earth Retaining-Wall Bridge Abutment

**REVISES:** *Indiana Design Manual Section 59-2.02(01) item 3*

**EFFECTIVE:** Immediately

A mechanically-stabilized-earth-wall bridge abutment placed adjacent to a roadway need not be checked for vehicle-collision forces as described in AASHTO *LRFD Bridge Design Specifications* Article 3.6.5. However, if the wall must be placed inside the clear zone, roadside safety should be addressed as described in *Indiana Design Manual* Section 49-2.0.

Such an abutment placed adjacent to a railroad track should be checked as described in Article 3.6.5.

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