



INDIANA DEPARTMENT OF TRANSPORTATION

Design Memo No. 26-21

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TO: All Design Personnel and Consultants

FROM: /s/ Stephanie Wagner
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SUBJECT: Wingwall Details

REVISES: *Indiana Design Manual*/Section 409-5.03(13), Figure 409-5A and Figures 409-5B thru 409-5G (deleted)

This memo is a reminder that the wingwall length for a bridge constructed on a skew must consider the skew angle when sizing the wingwall. Inadequate wingwall lengths can result in erosion, loss of backfill, and slopes steeper than intended. Wingwall geometry should be determined based on project-specific site conditions and clearly detailed on the plans.

The referenced section of IDM [Chapter 409](#) and Figure 409-5A Wingwall Details have been revised to improve guidance on sizing typical wingwalls used at bridge end bents. Figures 409-5B through 409-5G have been deleted.

For questions related to this design memo, please contact the Bridge Engineering Division at Bridgedesignoffice@indot.in.gov