INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 13-11
Technical Advisory

May 29, 2013

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

FROM: ***Elizabeth W. Phillips***
Elizabeth W. Phillips
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Division of Bridges

SUBJECT: **Indiana Design Manual Errata and Editorial Revisions**

REVISES: **Indiana Design Manual Sections indicated below**

EFFECTIVE: **Immediately**

The following represent errata to the current *Indiana Design Manual*.

Section or Figure	Correction
Figure 14-1E(1)	PSE Checklist. Corrected item 23 - inadvertent duplication of item 22 revised to 'Does the MOT account for drainage?'
14-2.04(09)	Added Environmental Consultation Form inadvertently deleted when incorporating Design Memo 11-19
43-3D	Revised to agree with previous updates to Figure 43-3C that incorporated the AASHTO *Policy on Geometric Design of Highways and Streets* 2004 values.
49-5.01	Corrected distance from face of guardrail to shoulder break point to 3'-5".
55-5.04(02)	Corrected distance from face of guardrail to shoulder break point to 3'-5". Clarified that the minimum distance from the edge of travelway to the face of guardrail is 4 ft. The minimum guardrail offset may be 0 ft.
72-3.01(02), item 4	Corrected units for Bridge Deck Overlay to syd. Added derivation of conversion factors.
203-2.02(09)	Removed inadvertent inclusion of box structures.

203-4.04(06)	Corrected the minimum flow rate from 2.5 ft/sec. to 3.0 ft/sec.
Figure 203-4E	Deleted metric coefficient 0.00278 in Q=CIA formula. Revised 'Discharge' to 'Flowrate'.
Figure 203-4I	Deleted metric coefficient 0.00278 in Q=CIA formula. Revised 'Discharge' to 'Flowrate'.
404-2.06(03), item 3c.	Corrected description of SS joint opening to *maximum* of 4 in.
410-5.01(06)	Corrected equation for wall design height to include tanβ.

The following represent editorial revisions to the current *Indiana Design Manual.*

Section or Figure	Revision
Figure 14-1E(1) and Figure 14-1E(2)	PSE Checklist. Added comments field for Sections 1 and 2. Revised item 46 and narrative in accordance with MAP-21. Revised item 40 to include field for most recent Additional Information (AI) approval date.
14-2.04(01)	Clarified that the modeling checklist is included with the hydraulics submission only when modeling is required for the IDNR Construction in a Floodway permit.
Figure 72-2B	Bridge Scoping Report. Added NBI Number to the information shown on the Bridge Scoping Report cover sheet.
406-1.0	Revised upper limit of 28-day concrete strength to 8 ksi.
Figure 409-7F	Elastomeric Bearing Pad with Tapered Steel Plate. Revised 'beveled' to 'tapered' to be consistent with LRFD terminology. Deleted callouts for stainless steel. Added note when stainless steel may be considered.
409-7.03(03)	Added reference to Figure 409-7F. Added discussion regarding when stainless steel load plate may be considered.

The following represent revisions to the *Indiana Design Manual* as a result of Standards Committee action.

Section or Figure	Revision
201-1.07	Added requirement that similar metals be used for pipe extensions.
203-2.02(15)	Added requirement that similar metals be used for pipe extensions.
404-2.03 and Figure 404-2D	Effective with September 1, 2012 lettings, precast deck panels were removed as an acceptable alternate method of forming concrete decks. Deleted Figure 404-2D.
408-4.06	Effective with July 1, 2013 lettings, use the Recurring Special Provision 728-B-203 for drilled shaft foundations with an outside diameter of 5.0 ft or less.