



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 13-01 Technical Advisory

January 7, 2013

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

FROM: /s/Elizabeth W. Phillips
Elizabeth W. Phillips
Manager, Office of Standards and Policy
Division of Bridges

SUBJECT: *Indiana Design Manual 2013*

REVISES: *Indiana Design Manual Chapters Indicated Below*

EFFECTIVE: Immediately

The 2013 *Indiana Design Manual* has been posted on the Department website at

http://www.in.gov/indot/design_manual/index.htm

(Bookmark this page.)

It incorporates all applicable Design Memoranda issued during 2011 and 2012. Design memos which include an active recurring special provision (RSP) or recurring plan detail (RPD) remain on the Design Memo webpage. Other incorporated memos have been moved to the Archived Design Memoranda webpage.

The 2013 *Manual* is presented in the "rewrite" format, but contains both rewritten and existing chapters. An IDM Chapter Reorganization document has been developed to aid designers while navigating the *Manual*. It is an attachment to this memo and can also be accessed from the website.

In addition editorial revisions and corrections have been made to the following chapters:

<u>Section or Figure</u>	<u>Correction</u>
3-2.01	Revised to reflect MAP-21 and Federal Oversight.
14-1.02(02) thru -1.02(09)	Added section headings for Plan Submittals and Document Revision Prior to Letting. Renumbered section headings accordingly.
14-2.03(14)	Revised format type for submission.

<u>Section or Figure</u>	<u>Correction</u>
14-2.05, 72-2.05, Fig. 72-2B	Revised “Bridge Inspection Report” to “Bridge Scoping Report”. Noted that Design Exception request should be submitted concurrently with Bridge Scoping Report. Figure 72-2B, Bridge Scoping Report, format, order, and content revised.
14-2.09	Revised to indicate applicability to Safe Routes to School projects
Fig. 17-1B	Revised Approved Programmatic Proprietary Material.
85-2.05	Revised LPA Plat No. 1 requirement to be consistent with the LPA Guidance Document.
Fig. 48-5B, -5C, -5D	Deleted figures. Revised references to Figures 48-5B, -5C, -5D to Figures 43-3A3, 43-3A2 and 43-3A1, respectively.
201-1.02, Items 1,2 and 5	Revised section to correct inconsistency with Chapter 203. “The Office of Hydraulics will review each...culvert of <i>diameter 36 in. or greater.</i> ”
52-11.01, Item 4	Deleted “Permanent marking materials should be paint or multi-component.”
Fig 54-6B(70)	Revised crossover locations for I-70.
402-8.02(13)	Deleted reference to Chapter 202 for pipe-material selection process.
Fig. 405-3F, -3G	Revised embedment depth to 2’-0” to be consistent with Fig. 409-6A.
Fig. 82-6B, -6C	Revised to reflect current Lane Closure Policy (3/17/10)

Attachment

[P:\Structural Services\Design Memos\Signed\2013\13-01-ta.doc]

Indiana Design Manual Chapter Reorganization

2012 Chapter	2011 Chapter	Chapter Title
Part 1 – Project Design Development		
101	--	Definitions and Abbreviations
102	1, 2-9, 12	Project Development
103	14, 15	Plans Development
104	10	Utility Relocation
105	11	Railroad Coordination
106	22-26	Aerial / Ground Survey
107	18	Geotechnical Procedures
108	17, 19-20	Quantities, Special Provisions, and Estimating
109	85-86	Right of Way
Part 2 – Hydrology and Hydraulics		
201	28	Definitions and Abbreviations
202	29	Hydrology
203	30-36, 38	Hydraulics / Drainage Design
204	--	Water Quality
205	37	Erosion and Sediment Control
Part 3 – Roadway		
301	--	Definitions and Abbreviations
302	40-45, 50, 53-56	Roadway-Design Guidelines
303	49	Roadside Safety
304	52	MEPDG Pavement- and Underdrain-Design Elements
305	46	At-Grade Intersection
306	48	Interchange
307	51	Trail / Greenway / Non-Motorized Pedestrian Facility
308	47, 51	Special Design Elements
Part 4 – Structural		
401	58	Definitions, Abbreviations, and References
402	59, 70	Structure Size and Type
403	60	Load Analysis and Application
404	61	Bridge Deck
405	62	Reinforced-Concrete Structure
406	63	Prestressed-Concrete Structure
407	64	Steel Structure
408	66	Foundation
409	67	Abutment, Bent, Pier, and Bearing
410	68	Earth-Retaining System
411	73	Precast, Prefabricated Structure
412	72	Bridge Rehabilitation
413	65	Wood, RR Grade-Separated, and Bike/Pedestrian Structures
Part 5 – Traffic and Safety		
501	--	Definitions and Abbreviations
502	75-78	Traffic Design
503	81-83	Traffic Maintenance
504	--	Traffic Safety