


INDOT Updates

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Standards and Policy, INDOT
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Design Memos

- Design Memos are used by INDOT to communicate changes to design policies, procedures, and criteria.

Indiana Design Manual

Indiana Design Manual 2013-Current

Archived Design Manuals

Design Memoranda

Design Manual Editable Documents

CAD Standards Manual

CAD Support

[INDIANA DESIGN MANUAL](#) » [INDIANA DESIGN MANUAL 2013- CURRENT](#)

INDIANA DESIGN MANUAL 2013- CURRENT


■ For *Indiana Design Manual 2013* inquiries please contact [Design Manual Inquiries](#).

Welcome to the current version of the *Indiana Design Manual*. The *Design Manual* was restructured during 2011 and 2012. Those chapters that have not yet been rewritten are found in their new part and chapter location but retain their existing chapter number. View the [IDM Chapter Reorganization](#) document for details.

Active on or after January 1, 2013

The on-line version of the *Design Manual* was last updated: 11/15/2018

Revisions to the *Design Manual* occurring after January 1, 2013 have been incorporated into this current *Indiana Design Manual 2013*. Users should consult [design memoranda](#) for revision details and policy updates. Stay current on INDOT design standards and policy changes by subscribing to [DesignConsultants Listserv](#).



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Standards Housekeeping Reminders

- 2020 Standard Specifications – September 2019
 - Published on 2-year cycle
 - Get the news first from Standards Committee webpage
 - <https://www.in.gov/dot/div/contracts/standards/sc/>
- 2019 Standard Drawings – September 2019
 - Published every year
- Standardizing RSP menu updates
 - Quarterly updates
 - Special Provision Technical Advisories discontinued, general announcement from CM
 - Applicable menu is based on contract letting date, not RFC date



Standards Housekeeping Reminders

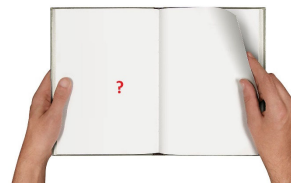
Std. Comm. Mtg. Date	First Available Effective Letting Date		Bid Letting Date	RSP Menu Date Selected to Build CIB	Bid Letting Date	RSP Menu Date Selected to Build CIB
	RSP Only	w/ Pay I Design C				
07/19/18	Dec. 2018	Mar. 2019	Wed 12/12/18	AUG. 2018 MENU	Wed 12/12/18	AUG. 2018 MENU
08/16/18	Mar. 2019	Mar. 2019	Wed 1/16/19		Wed 1/16/19	
09/20/18	Mar. 2019	Mar. 2019	Wed 2/6/19		Wed 2/6/19	
10/18/18	Mar. 2019	June 2019	Wed 3/6/19	NOV. 2018 MENU	Wed 3/6/19	NOV. 2018 MENU
11/15/18	June 2019	June 2019	Wed 4/3/19		Wed 4/3/19	
12/20/18	June 2019	June 2019	Thu 5/9/19		Thu 5/9/19	



Standards Committee webpage <https://www.in.gov/dot/div/contracts/standards/sc/> - Guidance for Selecting Effective Letting Date

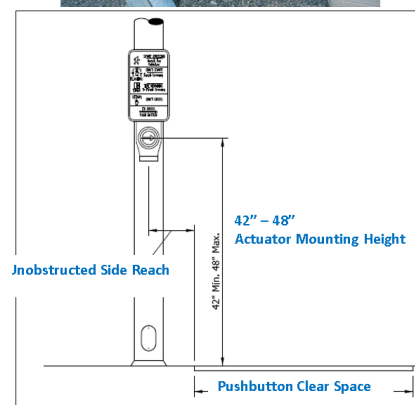
18-03: IDM Part 1 Deletions

- Deleted IDM Chapters 2 - 6
- Chapter 5 → Engineering Assessment Manual (Design Memo 18-25)
 - Lives on the Designer's webpage <https://www.in.gov/indot/2731.htm> - under the heading Engineering Assessment



ADA

- **18-05 Plan Note for TAC Approved ADA Inquiries**
 - Identify each TAC-approved, non-compliant feature on the plans.
 - Goal is to reduce uncertainty for both the contractor and INDOT Construction personnel.
- **18-26 Pedestrian Pushbutton and ADA Plan Details**
 - Reminder to evaluate all pushbutton components and associated design criteria for new and existing pedestrian pushbuttons.
 - Additional plan details for mounting height, side reach, and signage orientation.



18-07 Public Involvement

- Reduced duplicate information available from the *Public Involvement Procedures Manual*
- Added guidance on the developing and submitting the public involvement summary.
 - Template on the Editable Documents webpage <https://www.in.gov/dot/div/contracts/design/dmforms/>, under Public Involvement



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LPA Designs on Locally Owned, Non-NHS Routes

- **18-01 LPA Pavement Design**
 - INDOT review and approval no longer required.
 - LPA may follow the INDOT pavement design process or choose to use their own pavement design criteria.
- **18-08 (rev.) Geotechnical Waivers and Investigations for LPA Projects**
 - INDOT will no longer review or approve geotechnical items, but will continue to provide geotechnical guidance upon request
- **18-12 Office of Hydraulics Review for LPA Projects**
 - Applies to pipes, small structures, bridges, and storm drains with various caveats.
 - Office of Hydraulics presentation is the Hydraulics webpage <https://www.in.gov/indot/files/LPA%20Design%20Policy%20Changes.pdf>
- **Certified LPA Program**
 - Locally-owned, non-NHS routes project development activities and approvals are delegated to the certified LPA.
 - **INDOT » DOING BUSINESS WITH INDOT » LOCAL PUBLIC AGENCY PROGRAMS**

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Hydraulics


- 18-09 Hydraulics training courses
- 18-14 Memo Templates
 - Small Structure Hydraulics
 - Scour
 - Available on Hydraulics webpage, under Submitting Documents
- Hydraulics prequalification requirements
 - In effect for RFPs January 2019
 - Must complete INDOT Hydraulics training courses



Hydraulics webpage <https://www.in.gov/indot/3595.htm>



18-15 Pile Driving

- For a cost-effective foundation design, it's important to consider both the number of piles driven and the necessary equipment to drive the piles.
- Limit R_{ndr} to 426 kips for routine bridge projects (applies mostly to piles relying on side friction)
 - Correlates to commonly owned hammers
 - Reduces risk of pile damage during installation
- Coordinate with the project geotechnical engineer where higher R_{ndr} values are considered appropriate.
-  CEPDS Pile driving presentation available from Purdue e-pubs



18-17rev. Bridge Deck Overlays



- RSP 722-B-307, Concrete Bridge Deck Overlays
 - Effective with December lettings
 - Supersedes *Standard Specifications* section 722, Latex Modified Concrete Bridge Deck Overlays
 - Combines and updates
 - Standard Specifications Section 722
 - RSP 736-B-104, Silica Fume Modified Structural Concrete Bridge Deck Overlay
 - USP Existing Overlay Removal, Hydrodemolition and Latex Modified Concrete Overlay for Bridge Decks
 - LMC and Silica Fume – Alternate Bid
 - LMC-VE – where appropriate



18-20 Bridge Aesthetics Policy

- Provide a process for coordinating, reviewing, and approving requests for placing signs, lettering, logos, architectural surface treatments, street lights, and other aesthetic treatments on bridges that cross State-owned roads.
- Establish criteria for evaluating proposed aesthetic features.
- Approval required from
 - District TSD
 - Bridge Management Director
 - Bridge Design Director
- Recently added conceptual approval stage
- Gentle reminders: Don't make promises in advance. A previous project does not guarantee acceptance on a current request.



18-22 Bridge Preventative Maintenance Criteria

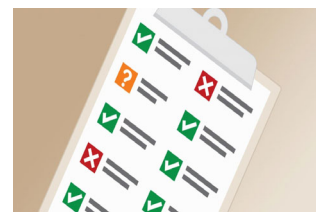
- Revised IDM Figure 412-1A, Condition-driven Preventative Maintenance Eligibility Criteria
 - Added Condition State considerations to some Component ratings
 - Expanded descriptions for some Treatment Types and Bridge Components (Item Codes).
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- Note: 2018 FHWA *Bridge Preservation Guide* groups “preventative maintenance” with “preservation”
 - IDM Ch 412 revisions on the radar



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18-23 Final Tracings Checklist

- Deleted items that are either no longer used or have been incorporated into IDM guidance
- FT information previously in IDM, now lives with checklist on Editable Documents webpage.
 - Excel version available
- ERMS information previously in IDM moved to Designers webpage.



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QUESTIONS

Office of Standards and Policy



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