INDOT Policy, Design Manual and Procedure Updates

David Finley, PE
Hydraulics Engineer, INDOT
dfinley@indot.in.gov
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Updates to the IDM

Where to find the most up-to-date design standards?

Part 2 is Hydrology and Hydraulics
Updates to the IDM

Where to find the most up-to-date design standards?

Part 2 is Hydrology and Hydraulics

Find it at:

http://www.in.gov/indot/design_manual/design_manual_2013.htm
How do updates happen?

- Identify issues in daily life
- As a group, write up, review, discuss, refine and agree
- Submit to FHWA for review
- After FHWA approval, send out a design memo and update the IDM
Updates completed in 2016

- Adjustments to the replacement in kind policy
  
  Section 203-2.02(02)3

- Requirement to include semi-smooth pipe as an option
  
  Section 203-2.02(13)

- Updates and additions to temporary erosion and sediment control
  
  Section 205
Updates to the IDM

Updates Anticipated for 2017  (Already submitted to FHWA)

Culverts:

• Replacement in kind...
Updates to the IDM

Updates Anticipated for 2017  (Already submitted to FHWA)

Culverts:

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Updates to the IDM

Updates Anticipated for 2017 (Already submitted to FHWA)

Culverts:

• Flexibility on culvert backwater at any site
• Additional criteria to meet the intention of 1 foot of backwater
• A new culvert cannot be smaller than the existing culvert
Updates to the IDM

Updates Anticipated for 2017 (Already submitted to FHWA)

Bridges:

• Also have flexibility on backwater

• Based on evaluating existing conditions
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Updates Anticipated for 2017 (Already submitted to FHWA)

Bridges:

• Clarifying standards for freeboard
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Updates Anticipated for 2017 (Already submitted to FHWA)

Storm Drainage Design:

- Inlet clogging factor
- Flanking inlets
Updates to the IDM

Updates Anticipated for 2017  (Already submitted to FHWA)

Culvert Cover:

• New set of standard drawings – pipe type and size

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<th>CORNER RADIUS (in.)</th>
<th>SPAN (in.)</th>
<th>RISE (in.)</th>
<th>AREA (sq ft)</th>
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<th>0.075 MIN.</th>
<th>0.105 MIN.</th>
<th>0.135 MIN.</th>
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Updates to the IDM

So, where to from here?

• Road School presentation

• Current changes may be finalized soon…

• More changes to come!
How can I keep up with design standard updates?

Road School presentation

New Hydraulics webpage

http://in.gov/indot/3595.htm
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Sign up for design memos