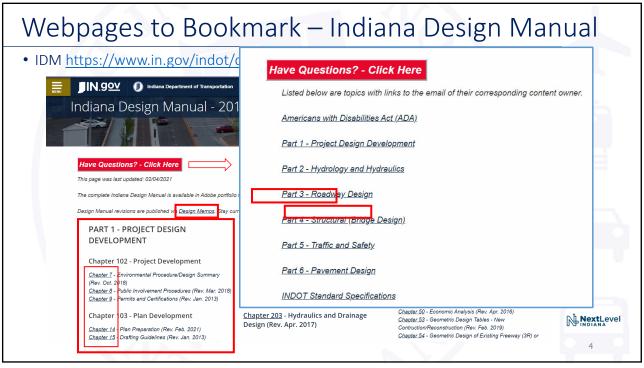


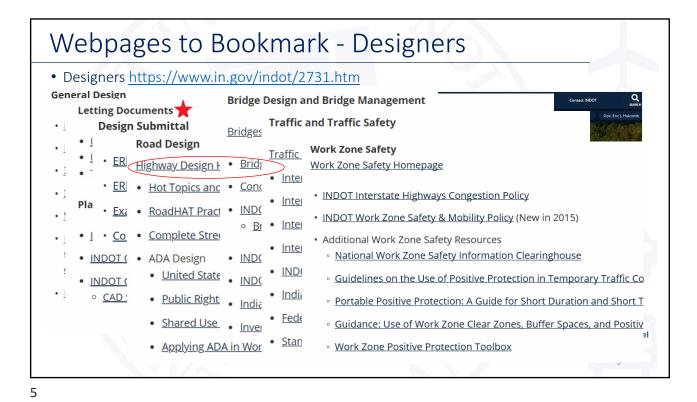


Information and Communication

- Design Consultant Listserv Gov Delivery [INDOT Design Consultants]
 - link available from Indiana Design Manual webpage
 - Communication
 - Design Memos changes to design policies, procedures, and criteria
 - Construction Memos
 - Training opportunities, surveys
- 2021 Standard Drawings eff. September 2021
 - Published every year
- 2022 Standard Specifications eff. September 2021 (Constr. Management)
 - Published on 2-year cycle
 - Get the news first from Standards Committee webpage
- Recurring Special Provisions Menu (Constr. Management)
 - · Quarterly updates
 - Applicable menu is based on contract letting date, not RFC date. Available from the Standards Committee webpage



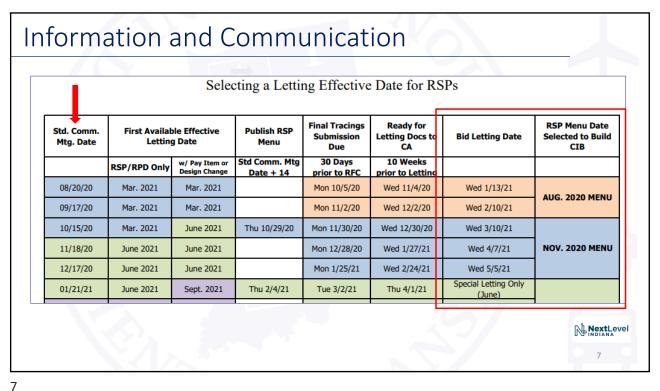




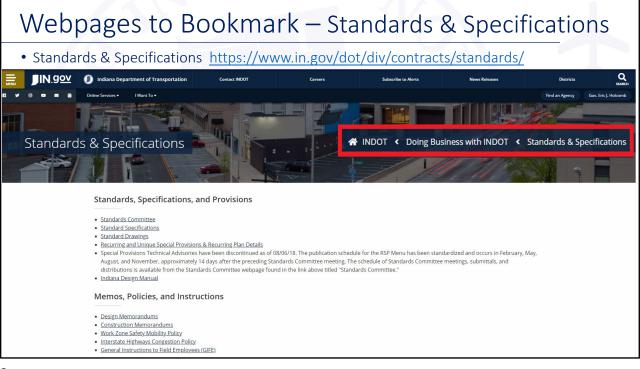
Information and Communication

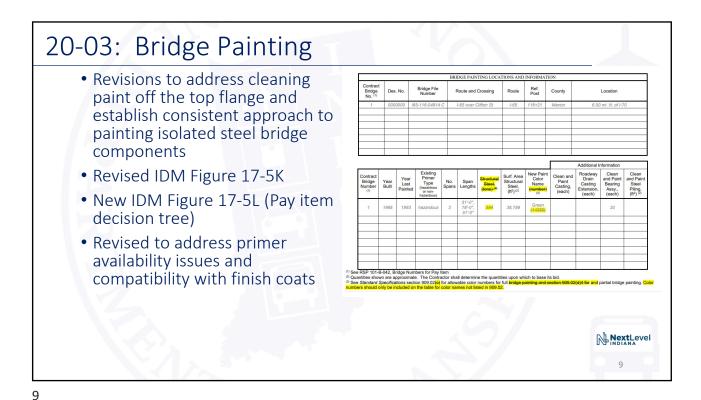
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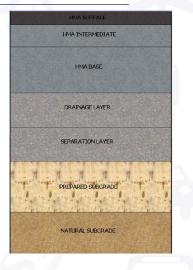




20-03: Bridge Painting If project contains .. Use the following pay items: The contract bridge number Beams are being Cost of cleaning and painting of bearings is included in the Painting bearing should be included as a pay fully or partially appropriate clean steel bridge and paint steel bridge pay assemblies painted items, respectively. item supplemental description Beams are not QP-1 applies to bridges built Clean and Paint Bearing Assemblies, Br. No. (LS) Painting bearing being fully or after 1994 and is based on the Disposal of Cleaning Waste, [waste type], Br. No. (LS) assemblie partially painted low probability that hazardous materials are present in the Clean Steel Bridge, QP-[1 or 2], Br. No. (LS) existing paint system. Paint Steel Bridge, Br. No. (LS) Painting or partial QP-2 applies to bridges built Clean Steel Bridge, Partial, QP-[1 or 2], Br. No. (LS) painting steel bridge before 1995 and is based on the Paint Steel Bridge, Partial, Br. No. (LS) likelihood that hazardous -andmaterials are present in the Disposal of Cleaning Waste, [waste type], Br. No. (LS) existing paint system. Clean and Paint Steel Piling, Br. No. (LS) Painting steel piles [Waste type] is hazardous or Disposal of Cleaning Waste, [waste type(1)], Br. No. (LS) non-hazardous based on the same criteria as OP-1 & OP-2 Clean Steel Bridge, Top Flanges, QP-2*, Br. No. (LS) shown above. See (1) for Bridge deck replacement (existing steel beam additional considerations for superstructure) * always uses QP-2 designation Present Structure, Remove Portions (LS) Bridge superstructure Indicate the oldest year of any existing structural steel on the replacement or complete NextLevel Present Structure, Remove (LS) plans. This communicates the bridge replacement likelihood of hazardous (existing steel beam (Contractor has option to recycle steel or clean prior to superstructure) materials being present. removing from project site. No additional payment) 10

20-04: Subgrade Treatments

- Subgrade Treatment Type IB, 14 in. chemical soil modification, divided to indicate the modification material.
 - Type IBC will be used to indicate cement modification.
 - Type IBL will be used to indicate lime modification.
- Subgrade Treatment Type IIA, 8 in. chemical soil modification deleted
- IDM 17-4.02 (01) Subgrade Treatment Types revised to point to the Standard Specifications for subgrade descriptions





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20-05: Stormwater Management

- RSP 205-R-706 updated established prices for stormwater management items.
- Revised RSP 205-R-706 incorporated Stormwater process review findings (complete overhaul)
 - Updated terminology. "Stormwater management measures (features)" are now "Best Management Practices (BMPs)"
 - Added sections and established unit costs for Protected Resource Signs and Protected Resource Fence.
 - A Stormwater Quality Control Plans (SWQCP) is required only where project includes a waterway permit, Rule 5, or Construction Stormwater General Permit
 - A Stormwater Quality Manager Level 1 or Level 2 determination is only required where the project includes a SWQCP.
 - Deleted SWQCP Preparation and Implementation, [Level 1/Level 2] pay items. Created new separate pay items for SWQCP Preparation and Stormwater Management Implementation. Note that the Stormwater Quality Manager Level is no longer part of the nav item
- Updated IDM Ch 14 to include submitting for SWQM Determination



20-05: Stormwater Management

SWQM Level and Pay Item Selection						
If project	And	SWQM Level Determination	Include the following pay items			
Contains Best Management Practices (BMPs) [formerly Stormwater Management Measures]	Contains a waterway permit (401/404), a 327 IAC 15-5 permit (Rule 5), or Construction Stormwater General Permit (Rule 5)	Is required (Level 1 or Level 2)	205-12108 Stormwater Management Budget (DOL 205-12618 SWQCP Preparation (LS) 205-12616 Stormwater Mgmt Implementation (LS)			
Contains Best Management Practices (BMPs)	Does not contain a waterway permit (401/404), a 327 IAC 15-5 permit (Rule 5), or Construction Stormwater General Permit (Rule 5)	Is not required (N/A)	205-12108 Stormwater Management Budget (DOL 205-12616 Stormwater Mgmt Implementation (LS)			
Does not contain Best Management Practices (BMPs)		Is not required (N/A)	No 205 pay items			

(1) The SWQM Level indicated on the Contract Preparation Document is placed on the proposal page of the Contract Information Book.

NextLevel

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20-06 Bridge Load Rating Requests

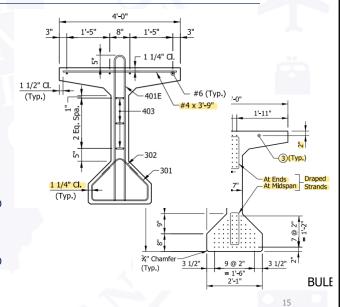
- Load rating requests submitted through ITAP – Load Rating Request Application
- IDM Chapter 14 updated



NextLevel

20-07 Bulb Tee Beam Details

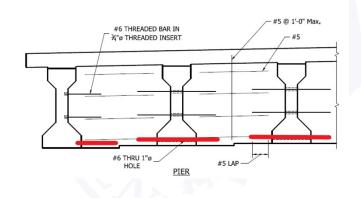
- Call out 2-in. spacing to top strand, all beams
- Dimension 401E bar extending 5 in. above top flange, all beams
- Update variables for beam properties to match common text and reference materials, all beams
- Added row of undraped prestressing strands 2 in. from top, beams with 49-in. and 61-in. top flange widths ("hybrid" bulb tee beams)
- Added 403 bars in web, beams with 49-in. and 61-in. top flange widths ("hybrid" bulb tee beams)

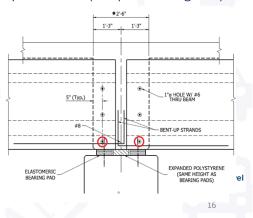


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20-08 End Bent and Pier Diaphragm Details

- Removed reinforcing bar placed through the bottom flange for I-beam and Bulb-tee beams.
 - Updated pier diaphragm details (Chapter 406 figures)
 - Updated end bent details (Chapter 409 figures).
- Updated formatting for pier cap sizing and bearing layout details (Chapter 406 figures)









20-13: Level One Controlling Criteria

- Level One geometric design criteria revisions
- To better align INDOT's guidance with the federal requirements.
- Key Points
 - FHWA revised controlling criteria (for the NHS)
 - Further refined criteria for high-speed and low-speed applications
 - INDOT adopted controlling criteria (for NHS and Non-NHS) + plus additional criteria
 - Memo is an interim measure
 - Level One Checklist revised
 - IDM revisions at a later date
- (Update 10/8/20) All 10 high-speed criteria apply to Freeways and Interstates, including exit and entrance ramps, regardless of design speed.
- Q&A document available from the Highway Design webpage, Training and Resources



		Design Criteria – Level One			
		Design Criteria	High Speed (50 mph or higher & Freeways, incl. ramps)	Low Speed (45 mph or lower)	(Update 10/8/20) All 10 high-speed criteria apply to Freeways and Interstates, including exit and entrance ramps, regardless of design speed.
	1	Design speed	Level One	Level One	
	2	Lane width	Level One	Level One only if on the National Truck Network. Otherwise, Level Two.	xx FHWA controlling criteria xx Revised FHWA controlling criteria xx INDOT-specific criteria Color coding is for context. Both FHWA and INDOT criteria are applicable to NHS and non-NHS routes.
	3	Shoulder width (uncurbed section) (1)	Level One	Level Two	
	4	Bridge clear roadway width ⁽²⁾	Level Two	Level Two	
	5	Design loading structural capacity	Level One	Level One	
	6	Horizontal curve, minimum radius	Level One	Level Two	a terio die oppinadate to tilio dila tion tilio todalesi
	7	Superelevation transition length and distribution	Level Two	Level Two	04
	8a	Stopping sight distance, horizontal curve	Level One	Level Two	
	8b	Stopping sight distance, vertical curve (crest only)	Level One	Level Two	
	9	<mark>Maximum</mark> grade	Level One	Level Two	
	10	Travel lane cross slope	Level One	Level Two	~ / "
	11	Superelevation rate	Level One	Level Two	
	12	Minimum vertical clearance	Level One	Level One	
	13	Americans with Disabilities Act (ADA)	Level One	Level One	NextLevel
		Exceptions are processed as an ADA Technical Inquiry or Technical Infeasibility Determination			UPINDIANA
	14	Bridge Railing Test Level	Level Two	Level Two	

[Mention was removed] I added the revision in red to table and **A4** the description Author, 9/25/2020

20-16 Proprietary Materials

- Changes first announced in DM 19-11
 - 23 CFR 635.411 (a)-(e) revised such that Federal funds participation no longer restricted when State DOTs specify a trade name for approval in Federal-aid contracts.
 - INDOT's continues to utilize an approval process
 - Highway Design Review Office coordinates all requests during design.
 - Approval by item Highway Engineering, Bridge Engineering, Traffic Engineering
 - Applicable to LPA projects
- IDM Chapter 17 updated
- Proprietary Material Request forms consolidated into a single form

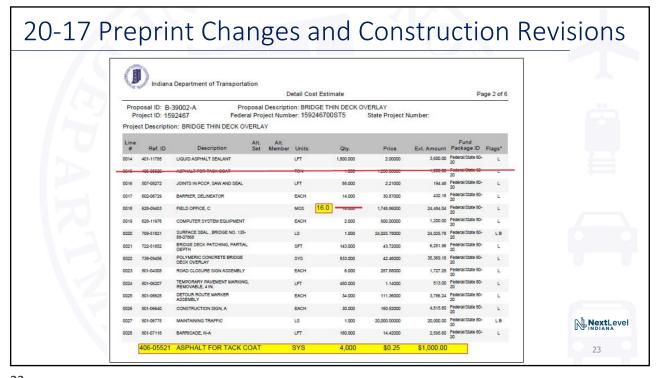


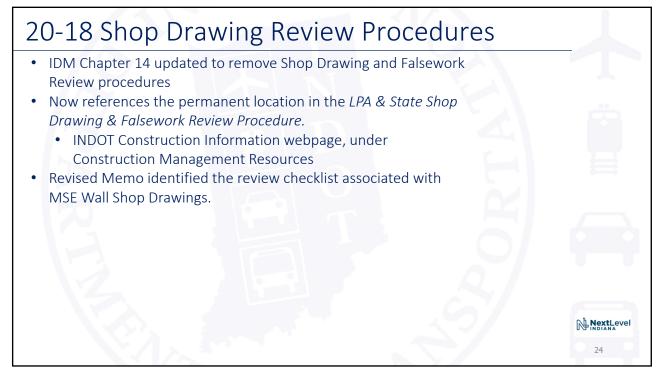
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20-17 Preprint Changes and Construction Revisions

- IDM Chapter 14 updated
- Preprint Changes
 - Contact information
 - Timeframes for accepting revisions
 - Specific requirement for revising the Schedule of Pay Items (contact CESsupport@indot.in.gov for PDF)
- Construction Changes
 - What to include with plan revisions
 - Where to place clouds on replacement sheets
- Figures added to illustrate expectations







20-20 APS Studies, Ped Push Buttons, Curb Ramps

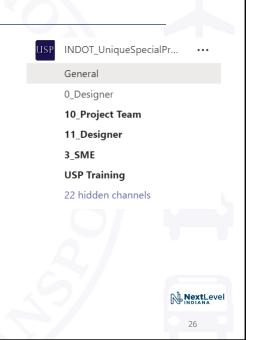
- IDM Chapters 51 and 502 updated to reflect changes in the APS Policy (Operations Memo 14-01)
- For a new signal installation, signal modernization, or intersection improvement project, APS is required where pedestrian signals are part of the project.
- Pushbutton details on plans should include
 - Plan view pushbutton and pb clear space
 - Station and offset. Include the distance between assemblies where two pb provided.
 - Percussive tones or speech walk messages required based on spacing



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20-21 USP Process

- USP workflow now in SharePoint, accessible through the INDOT Unique Special Provisions Team via Microsoft Teams
- Must be a team member
- Current FT submission is hybrid process
 - Submit the USP menu through ERMS, complete with location of each USP (SharePoint or ERMS*)
- July 2021 lettings anticipated for SharePoint only process.
- Use the Teams page for the most up to date guidance



20-21 USP Process ecificatio **Unique Special Provision Title** CONTACTING EMERGENCY SERVICES AND FT UnqSplProv 0000000 for 100 SCHOOL DISTRICTS PRIOR TO CONSTRUCTION BatAvoidanceandMitigationMe 100_200 BAT AVOIDANCE AND MITIGATION MEASURES harePoint sures_0000000_0001.docx FT UnaSplProv 0000000 for 105 CONSTRUCTION ENGINEERING ERMS Contract Services.docx CriticalPathMethodSchedulinga CRITICAL PATH METHOD SCHEDULING AND 108 SharePoint ndFloat_0000000_0001.docx FT UnqSplProv 0000000 for ERMS 609 TYPE I-A JOINTS Contract Services.docx FT UnqSpIProv 0000000 for 709 FIBER WRAP CONCRETE CASING SYSTEM **Contract Services.docx** For Des Number 1111111 only. ERMS FT UnqSplProv 0000000 for

Contract Services.docx

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20-22 Mass Concrete

723

• IDM Chapter 405 updated to provide guidance on mass concrete pours

DEWATERING

- Concrete elements with a least dimension greater than 5 feet should be considered mass concrete.
 - · Coordination with Division of Materials & Tests (formerly OMM) required
 - USP required
 - Important to consider least dimensions where construction joints are optional





NextLevel

