

INDOT Updates

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June 30, 2021

Information and Communication

- Design Consultant Listserv ➡ Gov Delivery [INDOT Design Consultants]
 - link available from Indiana Design Manual webpage
 - Communication
 - Design Memos - changes
 - Construction Memos
 - Training opportunities, su

From	Sub
INDOT Design Consultants	[De
INDOT Design Consultants	IND

Subscription Topics

☐ Indiana Department of Transportation (INDOT)

☐ Doing Business with INDOT

☐ INDOT Contract Letting ⓘ

☒ INDOT Request for Proposal – Professional Services for Project Development, Construction Inspection Services and Transportation Studies

☐ Local Program Administration (LPA) Request for Proposal ⓘ

☐ INDOT Procurement (bid opportunities for products and/or non-professional services only) ⓘ

☐ DBE

☐ EOD

☐ Mitigation Site Transfer Program

☐ Broadband Corridors

☒ Hydraulics

☒ Design Consultant

☒ INDOT County Bridges

☐ INDOT SiteManager

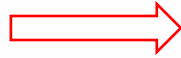
☒ INDOT Collaborative GIS

Webpages to Bookmark – Indiana Design Manual

- IDM <https://www.in.gov/indot/c>



Have Questions? - Click Here



This page was last updated: 02/04/2021

The complete Indiana Design Manual is available in Adobe portfolio

Design Manual revisions are published via [Design Memos](#). Stay current

PART 1 - PROJECT DESIGN DEVELOPMENT

Chapter 102 - Project Development

[Chapter 7](#) - Environmental Procedure/Design Summary
(Rev. Oct. 2018)

[Chapter 8](#) - Public Involvement Procedures (Rev. Mar. 2018)

[Chapter 9](#) - Permits and Certifications (Rev. Jan. 2013)

Chapter 103 - Plan Development

[Chapter 14](#) - Plan Preparation (Rev. Feb. 2021)

[Chapter 15](#) - Drafting Guidelines (Rev. Jan. 2013)

Have Questions? - Click Here

Listed below are topics with links to the email of their corresponding content owner.

[Americans with Disabilities Act \(ADA\)](#)

[Part 1 - Project Design Development](#)

[Part 2 - Hydrology and Hydraulics](#)

[Part 3 - Roadway Design](#)

[Part 4 - Structural \(Bridge Design\)](#)

[Part 5 - Traffic and Safety](#)

[Part 6 - Pavement Design](#)

[INDOT Standard Specifications](#)

[Chapter 203](#) - Hydraulics and Drainage
Design (Rev. Apr. 2017)

[Chapter 50](#) - Economic Analysis (Rev. Apr. 2016)

[Chapter 53](#) - Geometric Design Tables - New
Construction/Reconstruction (Rev. Feb. 2019)

[Chapter 54](#) - Geometric Design of Existing Freeway (3R) or

Webpages to Bookmark - Designers

- Designers <https://www.in.gov/indot/2731.htm>

The screenshot displays the Indiana Department of Transportation (INDOT) website. The main navigation bar includes 'General Design', 'Bridge Design and Bridge Management', 'Traffic and Traffic Safety', and 'Work Zone Safety'. The 'General Design' section is expanded, showing a list of links. The 'Road Design' link is circled in red. The 'Work Zone Safety' section is also expanded, showing a list of links.

General Design

- Letting Documents ★
- Design Submittal
- Road Design
 - Highway Design
 - Hot Topics and
 - RoadHAT Pract
 - Complete Street
 - ADA Design
 - United State
 - Public Right
 - Shared Use
 - Applying ADA in Wor

Bridge Design and Bridge Management

- Bridges
 - Bridg
 - Conc
 - INDO
 - INDO
 - INDO
 - INDO
 - India
 - Fede
 - Stan

Traffic and Traffic Safety

- Traffic
 - Inter
 - Inter
 - Inter
 - Inter
 - Inter
 - INDO
 - INDO
 - India
 - Fede
 - Stan

Work Zone Safety

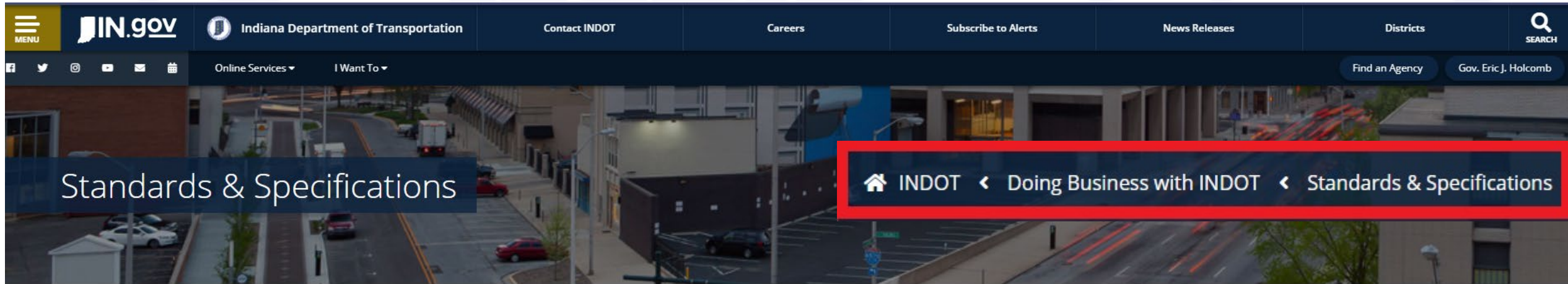
- Work Zone Safety Homepage
 - INDOT Interstate Highways Congestion Policy
 - INDOT Work Zone Safety & Mobility Policy (New in 2015)
 - Additional Work Zone Safety Resources
 - National Work Zone Safety Information Clearinghouse
 - Guidelines on the Use of Positive Protection in Temporary Traffic Co
 - Portable Positive Protection: A Guide for Short Duration and Short T
 - Guidance: Use of Work Zone Clear Zones, Buffer Spaces, and Positiv
 - Work Zone Positive Protection Toolbox

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 [Guidance for Selecting Effective Letting Date]

Webpages to Bookmark – Standards & Specifications

- Standards & Specifications <https://www.in.gov/dot/div/contracts/standards/>



Standards, Specifications, and Provisions

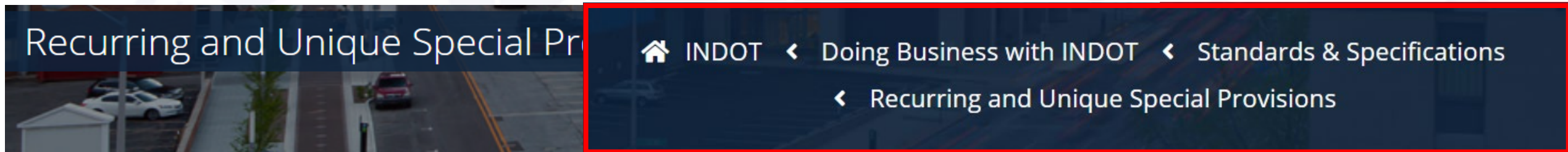
- [Standards Committee](#)
- [Standard Specifications](#)
- [Standard Drawings](#)
- [Recurring and Unique Special Provisions & Recurring Plan Details](#)
- Special Provisions Technical Advisories have been discontinued as of 08/06/18. The publication schedule for the RSP Menu has been standardized and occurs in February, May, August, and November, approximately 14 days after the preceding Standards Committee meeting. The schedule of Standards Committee meetings, submittals, and distributions is available from the Standards Committee webpage found in the link above titled "Standards Committee."
- [Indiana Design Manual](#)

Memos, Policies, and Instructions

- [Design Memorandums](#)
- [Construction Memorandums](#)
- [Work Zone Safety Mobility Policy](#)
- [Interstate Highways Congestion Policy](#)
- [General Instructions to Field Employees \(GIFE\)](#)

Webpages to Bookmark – Recurring Provisions

- <https://www.in.gov/dot/div/contracts/standards/rsp/index.html>



→ Recurring Special Provisions & Plan Details

- **NEW** [September 2021 Edition](#)
For Lettings on or after September 1, 2021
- [September 2019 Edition](#)
For Lettings on or after September 1, 2019 thru August 31, 2021

→ Unique Special Provisions

Effective October 1, 2020, all USPs must be submitted for review and approval through SharePoint. You must be a member of the INDOT Unique Special Provisions Team via Microsoft Teams to access the SharePoint site. [Click here](#) to send a request to be added to the team.

- [Unique Special Provision Process](#)
- [List of Unique Provisions \(xls\) / \(pdf\)](#) (samples) (updated 5/10/21)
- [Instructions for Use Unique Special Provisions](#) (revised June 2021)
- [USP Menu](#) (updated June 2021)

Archived and Inactive Files

- [Archived and Inactive Files](#)

Information and Communication

Selecting a Letting Effective Date for RSPs

Std. Comm. Mtg. Date	First Available Effective Letting Date		Publish RSP Menu	Final Tracings Submission Due	Ready for Letting Docs to CA	Bid Letting Date	RSP Menu Date Selected to Build CIB
	RSP/RPD Only	w/ Pay Item or Design Change	Std Comm. Mtg Date + 14	30 Days prior to RFC	10 Weeks prior to Letting		
08/20/20	Mar. 2021	Mar. 2021		Mon 10/5/20	Wed 11/4/20	Wed 1/13/21	AUG. 2020 MENU
09/17/20	Mar. 2021	Mar. 2021		Mon 11/2/20	Wed 12/2/20	Wed 2/10/21	
10/15/20	Mar. 2021	June 2021	Thu 10/29/20	Mon 11/30/20	Wed 12/30/20	Wed 3/10/21	NOV. 2020 MENU
11/18/20	June 2021	June 2021		Mon 12/28/20	Wed 1/27/21	Wed 4/7/21	
12/17/20	June 2021	June 2021		Mon 1/25/21	Wed 2/24/21	Wed 5/5/21	
01/21/21	June 2021	Sept. 2021	Thu 2/4/21	Tue 3/2/21	Thu 4/1/21	Special Letting Only (June)	

20-02: Ramp Maximum Grade

- Section 48-5.04(01) revised to remove an inadvertent figure reference include in guidance for ramp grade within the freeway/ramp junction



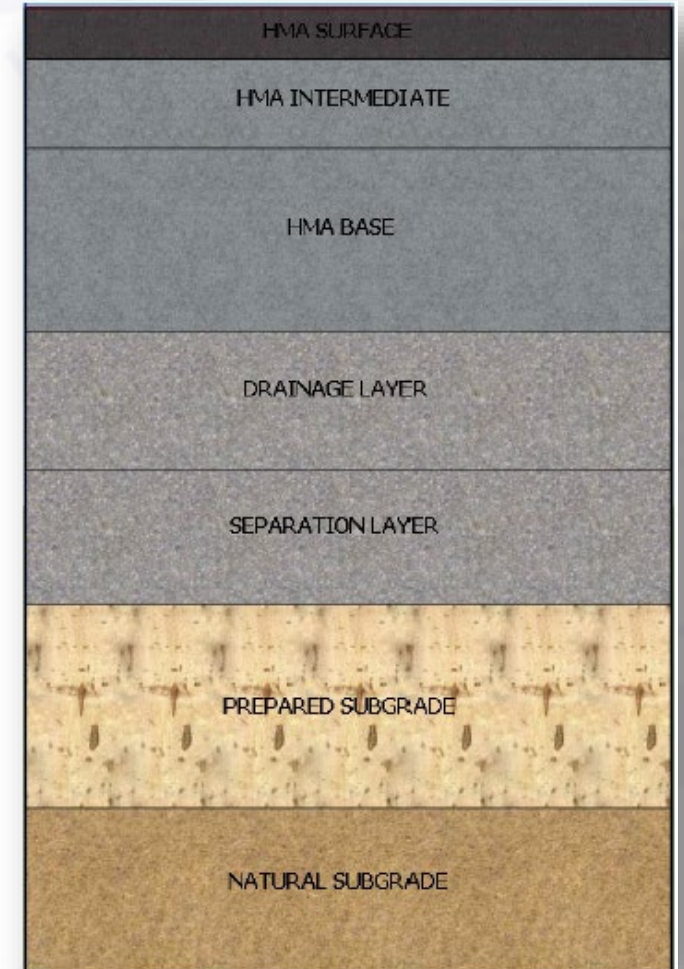
5. The ramp grade within the freeway/ramp junction up to the physical nose should be approximately the same grade as that provided on the mainline. However, adequate sight distance is more important than grade control.

Design Speed, mph	20-25	25-30	35	45-50
Desirable Maximum Grade, %	6 to 8	5 to 7	4 to 6	3 to 5

- Additional guidance for selecting maximum ramps grades for high-speed system interchanges.
 - Grades over 4% require concurrence from INDOT Corridor Development.

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



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 pay item.
- Updated IDM Ch 14 to include submitting for SWQM Determination

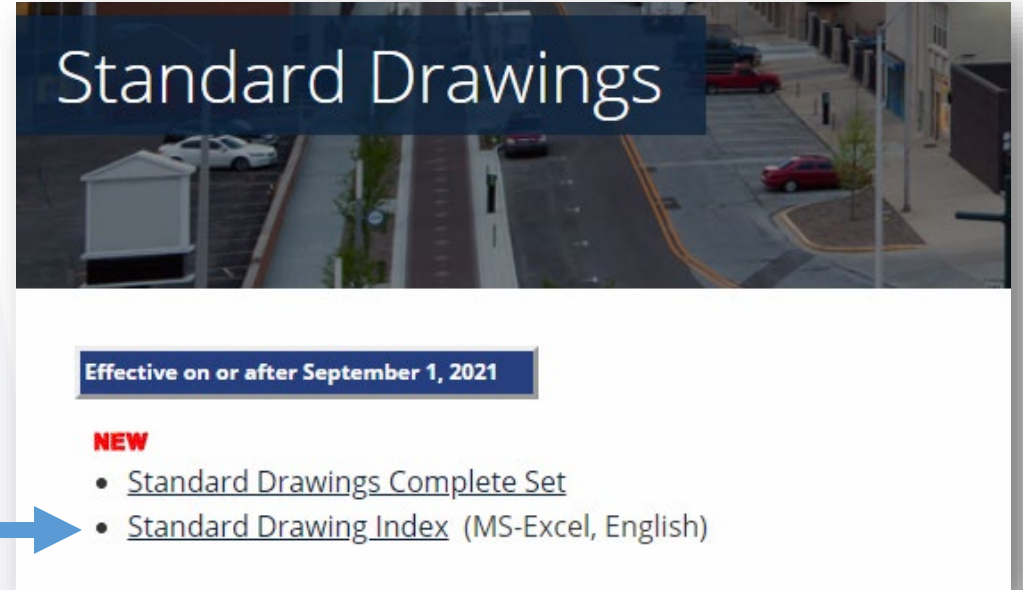


20-05: Stormwater Management

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) (1)	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. * Additional revisions adopted in Feb 2021 and incorporated into the 2022 <i>Standard Specifications</i> . CIF is considered a waterway permit			

20-09 and 21-15: Standard Drawings

- Announced the annual publication of the INDOT Standard Drawings
 - Drawings become effective with contracts letting in September of the publication year
- Includes the Standard Drawing Index
 - Short list of drawings that have been added, deleted, or revised since the last publication



The graphic features a background image of a city street with cars and a building. A dark blue banner at the top contains the text "Standard Drawings" in white. Below this, a white box contains the text "Effective on or after September 1, 2021" in a dark blue banner. Underneath, the word "NEW" is written in red. Finally, a list of two items is shown: "Standard Drawings Complete Set" and "Standard Drawing Index (MS-Excel, English)". A blue arrow points from the text "Includes the Standard Drawing Index" in the main list to the "Standard Drawing Index" item in this graphic.

Standard Drawings

Effective on or after September 1, 2021

NEW

- [Standard Drawings Complete Set](#)
- [Standard Drawing Index](#) (MS-Excel, English)

20-09 and 21-15: Standard Drawings

2021 Standard Drawings

Effective for Lettings on or after September 1, 2021

Last Updated: 04/13/2021

[Download all Standard Drawings effective September 2021 \(pdf 161 MB\)](#)

[Standard Drawing Index](#) (MS-Excel, English) - Please use the Standard Drawing Index to search for key words, specific subject matter, or specific sheets. Division numbers shown below match the division numbers of INDOT's Standard Specifications.

Division 100 - General Provisions

Topics Include: Determining Quantities within Structure Limits

Division 200 - Earthwork

Topics Include: Erosion Control & Backfill

Division 300 - Aggregate Pavement and Bases

Topics Include: Shoulder Treatment Resurfacing Work & Transition Milling

Division 600 - Incidental Construction

Topics Include: Curb Ramps, Approach Slabs, Guardrails, Impact Attenuators, Anchor Systems, Fencing, Median Barriers, Sidewalks, Curbs & Gutters, Pavement Corrugations, Ditches & Drains

Pavement Corrugations, Ditches & Drains

Division 700 - Structures

Topics Include: Bridge Pilings, Construction Joints, Reinforcing Steel, Bridge Railing, Bridge Railing Transitions, Box Culverts, Pipe Anchors, Underdrains, Catch Basin Casting, Inlets, Manholes, Bridge Joints, and MSE Walls

Division 800 - Traffic Control Devices & Lighting

Topics Include: Temporary Concrete Barriers, Traffic Control, Sign Structures, Sign Placement, Signal Controllers, Bridge Lighting, and ITS Cabinets

20-10: Seed Mixtures

- IDM Chapter 17 seeding and sodding revisions associated with RSP 621-R-697, Seed Updates.
- Grass and Legume seed mixtures are out. Floodplain and Shade mixtures are in.
 - Floodplain mix used with IDNR CIF permits
 - Shade mix used where shade is expected to cover the ground >5 hours per day, e.g. seeded areas adjacent tall forested areas, under bridges where environmentally regulated mixes are not required.
- Additional IDM revisions to add guidance for mulching and erosion control pay items



RSP 621-R-697 was incorporated into the 2022 *Standard Specifications*

20-12: Truck Mounted Attenuators

- Recurring Special Provision 801-T-227 and Recurring Plan Detail 801-T-227d
- TMA pay item (DAYS)
- IDM 503-3.05(04) Positive Protection Devices updated
- Coordination with Construction for use



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
 - Level One Checklist revised
- (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, <https://www.in.gov/indot/2684.htm> under Training and Resources

Design Criteria – Level One and Level Two Classifications

	Design Criteria	High Speed (50 mph or higher & Freeways, incl. ramps)	Low Speed (45 mph or lower)
1	Design speed	Level One	Level One
2	Lane width	Level One	Level One only if on the National Truck Network. Otherwise, Level Two.
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
7	Superelevation transition length and distribution	Level Two	Level Two
8a	Stopping sight distance, horizontal curve	Level One	Level Two
8b	Stopping sight distance, vertical curve (crest only)	Level One	Level Two
9	Maximum 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
	Exceptions are processed as an ADA Technical Inquiry or Technical Infeasibility Determination		
14	Bridge Railing Test Level	Level Two	Level Two

(Update 10/8/20) All 10 high-speed criteria apply to Freeways and Interstates, including exit and entrance ramps, regardless of design speed.

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.

Design Memo 20-14

- Established design criteria for preventive maintenance and 3R resurfacing projects on Freeways/Interstates
- Key Points
 - Memo is applicable to Freeway/Interstate pavement resurfacing projects
 - “Partial 3R” and “interstate” are not compatible terms
 - PM or Rehabilitation (3R) designation is determined by the pavement treatment.
 - PM treatments keep an asset in a state of good repair
 - Rehabilitation treatments restore structural integrity
 - PM and Rehabilitation treatments are defined in **IDM Ch 602**
- Q&A document available from the Highway Design webpage, <https://www.in.gov/indot/2684.htm> under Training and Resources



Design Memo 20-15: Concrete Pavement Restoration (CPR) reclassified as a preventive maintenance

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.

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

20-17 Preprint Changes and Construction Revisions



Indiana Department of Transportation

Detail Cost Estimate

Page 2 of 6

Proposal ID: B-39002-A

Proposal Description: BRIDGE THIN DECK OVERLAY

Project ID: 1592467

Federal Project Number: 159246700ST5

State Project Number:

Project Description: BRIDGE THIN DECK OVERLAY

Line #	Ref. ID	Description	Alt. Set	Alt. Member	Units	Qty.	Price	Ext. Amount	Fund Package ID	Flags*
0014	401-11785	LIQUID ASPHALT SEALANT			LFT	1,800.000	2.00000	3,600.00	Federal/State 80-20	L
0015	406-05520	ASPHALT FOR TACK COAT			TON	1.000	1,200.00000	1,200.00	Federal/State 80-20	L
0016	507-08272	JOINTS IN PCCP, SAW AND SEAL			LFT	88.000	2.21000	194.48	Federal/State 80-20	L
0017	602-06729	BARRIER, DELINEATOR			EACH	14.000	30.87000	432.18	Federal/State 80-20	L
0018	628-09403	FIELD OFFICE, C			MOS	16.0	1,748.86000	24,484.04	Federal/State 80-20	L
0019	628-11976	COMPUTER SYSTEM EQUIPMENT			EACH	2.000	600.00000	1,200.00	Federal/State 80-20	L
0020	709-51821	SURFACE SEAL, BRIDGE NO. 135-88-07868			LS	1.000	24,025.78000	24,025.78	Federal/State 80-20	L B
0021	722-51852	BRIDGE DECK PATCHING, PARTIAL DEPTH			SFT	143.000	43.72000	6,251.96	Federal/State 80-20	L
0022	738-09456	POLYMERIC CONCRETE BRIDGE DECK OVERLAY			SYS	833.000	42.46000	35,369.18	Federal/State 80-20	L
0023	801-04308	ROAD CLOSURE SIGN ASSEMBLY			EACH	6.000	287.88000	1,727.28	Federal/State 80-20	L
0024	801-06207	TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN.			LFT	450.000	1.14000	513.00	Federal/State 80-20	L
0025	801-06625	DETOUR ROUTE MARKER ASSEMBLY			EACH	34.000	111.36000	3,786.24	Federal/State 80-20	L
0026	801-06640	CONSTRUCTION SIGN, A			EACH	30.000	160.52000	4,815.60	Federal/State 80-20	L
0027	801-06775	MAINTAINING TRAFFIC			LS	1.000	20,000.00000	20,000.00	Federal/State 80-20	L B
0028	801-07118	BARRICADE, III-A			LFT	180.000	14.42000	2,595.60	Federal/State 80-20	L

406-05521 ASPHALT FOR TACK COAT SYS 4,000 \$0.25 \$1,000.00

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

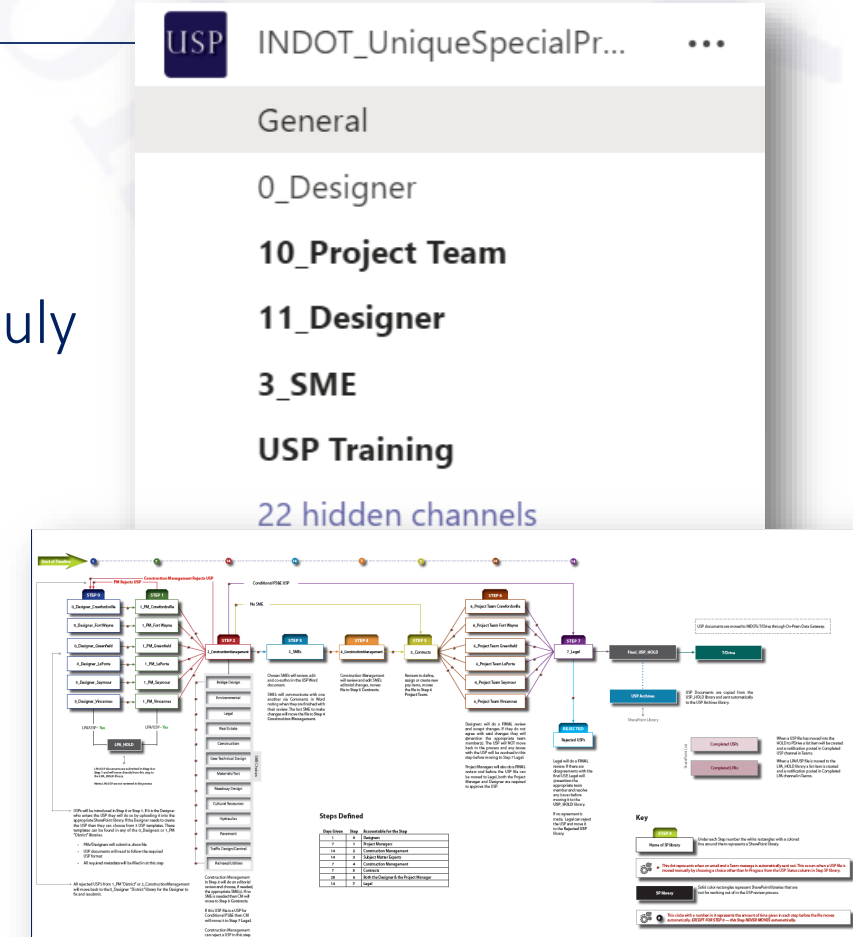
- IDM Chapters 51 and 502 updated to reflect changes in the APS Policy (Operations Memo 14-01)
- For a new signal installation, signal modernization, or intersection improvement project, APS is required where pedestrian signals are part of the project.
- Pushbutton details on plans should include
 - 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



INDIANA

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
- At FT, initially a hybrid SharePoint/ERMS process. Effective July 2021 lettings SharePoint only process.
- Use the Teams page for the most up to date guidance
- Design Memo 21-17
 - Updated the Design Manual to reflect the SharePoint USP approval process.
 - Updates to Recurring Special Provisions & Plan Details webpage, <https://www.in.gov/dot/div/contracts/standards/rsp/index.html>, including a link to request access to the INDOT_UniqueSpecialProvisions Team
 - Updates to USP Menu and Instructions for Use



21-17 IDM Updates for USP Process

Rev. June 2021

Unique Special Provisions Menu

The USP Menu should be uploaded to ERMS at Stage 3 and Final Tracings

**Standard
Specifications
Year:
2022**

Contract No:

District:

Submitted by:

Contact Information:

Standard Specifications Section	Unique Special Provision Title	Document Filename	Comments

20-24 Temporary Pavement Markings

- RSP 801-T-128, Temporary Pavement Markings revised *Standard Specifications* section 801.12 to require that temporary edge lines be placed within 10 workdays of opening a segment of resurfaced roadway to traffic
- Applies to locations that have been specified for permanent durable edge line pavement markings (IDM Figure 502-2C)
- For temporary markings used in conjunction with HMA pavement, the quantity should be calculated for each lift of intermediate and surface.
- Width specified should be that of the existing pavement marking.



21-02 MSE Walls

- Revised IDM Chapters 14 and 410 for MSE wall initial feasibility reviews and incorporation of an MSE wall checklist
- Initial feasibility review and MSE wall design review checklist are submitted to INDOT Geotechnical Services via email.
MSEWallShopDrawings@indot.in.gov
- **Submit Stage 1 plans (after review) for an initial feasibility review**
- Submit MSE Wall Design Review Checklist at Stage 3
 - Checklist is available from the Editable Documents webpage.



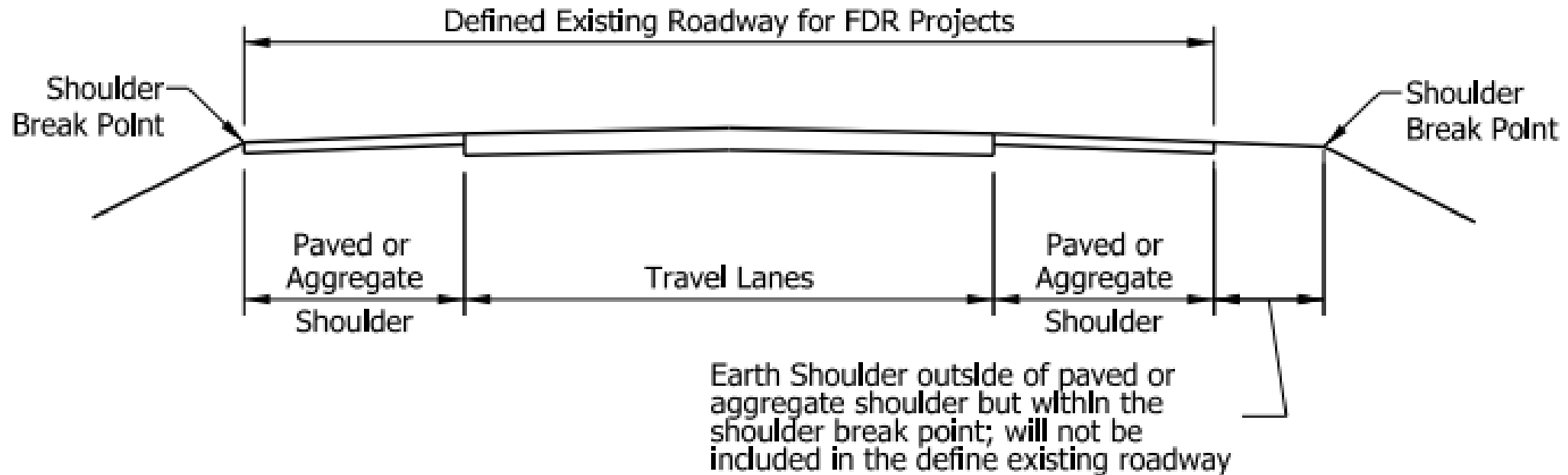
21-03 IDM Chapters 104 and 105

- Complete rewrite of Utility Coordination and RR Coordination chapters.



21-04 FDR Projects and Rule 5 Permits

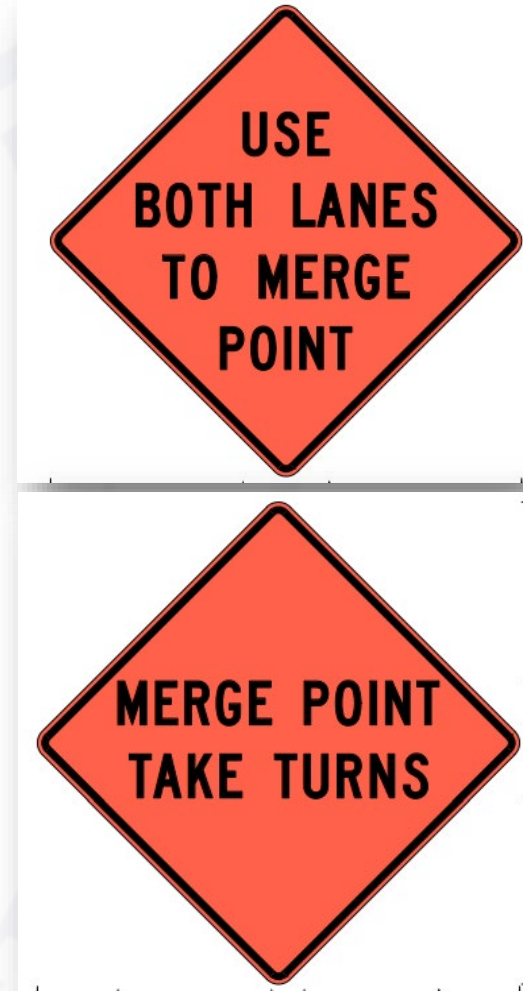
- FDR projects that are contained within the existing roadway will not require a Rule 5/ Construction Stormwater General Permit.
- FDR projects that include disturbance outside of the defined existing roadway should be submitted for a permit determination in accordance with the INDOT Waterway Permit Manual, Chapter 2.



LIMITS OF DEFINED EXISTING ROADWAY FOR FDR PROJECTS

21-10 Zipper Merge

- Added zipper merge to the work zone toolbox for traffic mitigation
- Used when a lane reduction is expected to generate a queue for at least two hours a day for five days of the week and approval is given by the district Traffic Engineer.
- The zipper merge is not intended for high-speed free flow merge conditions.
- PCMS may be used (e.g free flow, slow, or stopped traffic messages)
 - Show on the plans and include a unique special provision for speed sensor compatible PCMS should be included in the contract.



Upcoming Changes

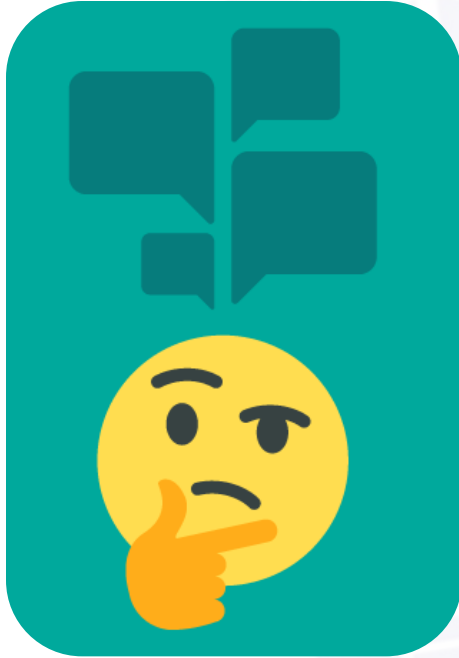
- Standard Pavement Section for select project work activities
 - Catalog Pavement Design process has been standardized for eligible small structure replacement and bridges projects.
 - Pavement Design requests will no longer be required for these project types
 - The pavement section is selected using the ESAL category (based on the average annual daily truck traffic, AADTT) at the project location.
 - Tentative August design memo for implementation

Road Category	Annual Avg Daily Trucks Construction Year AADTT	ESAL (millions)	Pavement Design - Roadway (ESAL Category, PG Binder Temperature, Depth)#
Interstates (A)	1900 < AADTT < 5700	10 < ESAL < 30	Roadway Catalog ID High ESAL (4,76,14")
Freeways and Principal Arterials (B)	AADTT < 570	< 3	Roadway Catalog ID Low ESAL (3,64,10")
	570 < AADTT < 1900	3 < ESAL < 10	Roadway Catalog ID Med. ESAL (3,70,12")
	1900 < AADTT < 5700	10 < ESAL < 30	Roadway Catalog ID High ESAL (4,76,14")
Remaining Road Classes (C)	AADTT < 510	< 3	Roadway Catalog ID Low ESAL (3,64,10")
	510 < AADTT < 1700	3 < ESAL < 10	Roadway Catalog ID Med. ESAL (3,70,12")
	1700 < AADTT < 5700	10 < ESAL < 30	Roadway Catalog ID High ESAL (4,76,14")

Upcoming Changes

- Pavement Design will return to the Pavement Design Request Process for all projects.
 - Designer will be responsible for compiling requesting and compiling supporting documentation and submitting the pavement design request.
 - Documentation will vary by work type. Guidance for general work types will be provided.
 - FWD
 - Geotechnical (investigation or soil parameters)
 - Pavement History*
 - Cores
 - Traffic Count/Traffic Forecast
 - For turnkey projects that include a pavement design task, the design firm will be responsible for requesting and compiling the supporting documentation and completing the pavement design.
 - Pavement design and supporting documentation submitted for approval.
- Effective with FY 25 contract lettings

QUESTIONS



Road Design
RoadReviewTeam@indot.in.gov

Bridge Design
BridgeDesignOffice@indot.in.gov