

Welcome to the INDOT Bridge Design Conference

Use QR code to engage with us in Slido \rightarrow



Conference Objective

Share Knowledge & Useful Take-Aways

Policy Updates Design Memo Review Lessons Learned Life Cycle Panel Cost Estimating Accelerated Bridge Construction Practical Design Topics Steel Design Stormwater Thoughts from INDOT Legal

Thank you

Speakers Production Team Structures Committee Survey Responders



Housekeeping: Virtual

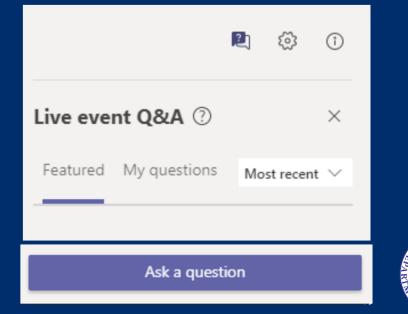
Credit for time signed in Questions:



end of event

for full credit

Use Q&A in Teams Send questions early



Housekeeping: In-Person

Paper Sign-in Sheets Sign in and out!





Questions: Use Slido QR code or Sli.do enter code: 1256865



Slido 101

Post Questions (Elevates others' Q's too)



 \equiv INDOT Bridge Design Conference $\stackrel{\circ}{\simeq}$

C Q&A III Polls

8 Type your question



There are no questions asked yet.

Ask the first one!

Respond to Polls



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What type of organization do you represent?

(i) Start presenting to display the poll results on this slide.

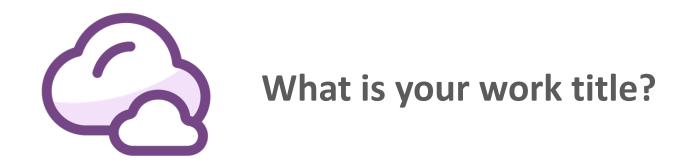
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How many years of experience do you have?

(i) Start presenting to display the poll results on this slide.

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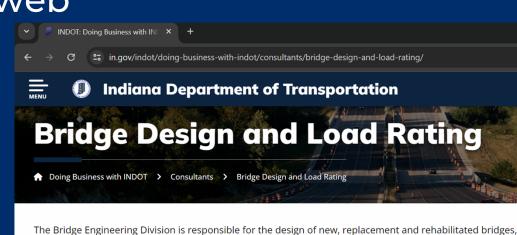
(i) Start presenting to display the poll results on this slide.

Final Housekeeping: For All

 Presentation files to the web Posted within days
Attendee Survey

 end of day and via email

CEU Certificates
 via email (Weeks)



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General Information

Employment Opportunities

• Outreach flyer

ASCE-INDOT Structures Committee

- INDOT Bridge Design Conference Presentations
 - Federal Lands Design Resources
 - <u>Purdue Road School Archived Presentations</u>

Small Bites (Sweet and Salty)

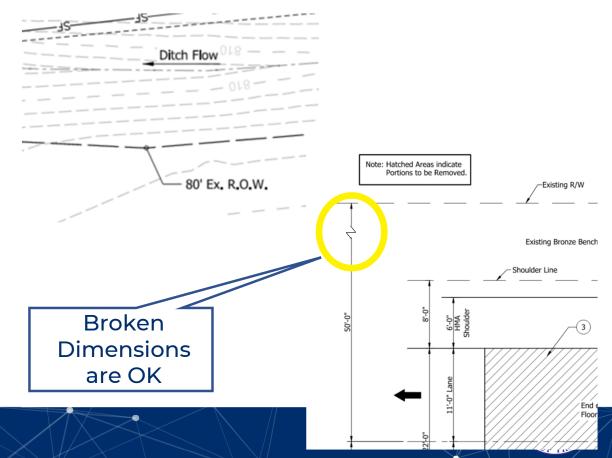


Salty – R/W on PM Plans

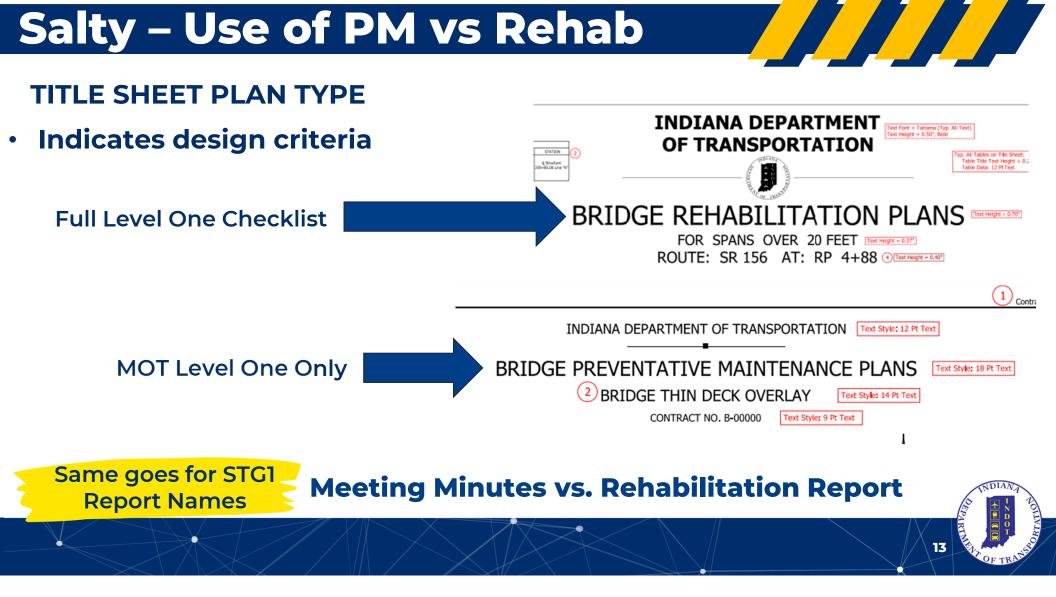
If contractor needs to be off the pavement to do the work...

RW must be shown!

- Examples:
 - Scour Countermeasures
 - Substructure Patching
 - Superstructure Painting
 - Coping Work



Salty – Use of PM vs Rehab



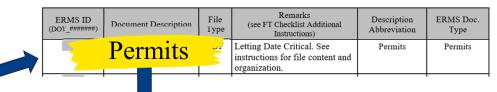
Salty – FT Permit Files

Include permit application in FT Permit File

14-1.02(04) Final Tracings Submittal [Rev. Oct. 2018, Jun. 2021]

All final tracings documents, except unique special provisions, should be submitted electronically into ERMS in accordance with Section 14-1.02(02). It is the responsibility of the designer handling a lead project to ensure the tracings for all kinned projects are brought together and submitted to the project manager. The project manager is responsible for submitting the Final Tracings package to the Contract Administrative Division

Documents for final trac marked "Letting Date Crit" Established naming conventions and instructions, is available on the INDOT Design Manual Editable Documents webpage, under Design Submittal. FINAL TRACINGS CHECKLIST



15. <u>Permits</u>*. All permit approval documents with their associated permit applications and conditions should be in a single file. For General permits where an approval document is not issued, the general permit conditions should be included in the file. For a Rule 5 permit, the entire permit (date-stamped NOI, NOS, SWPPP, narrative, attachments, maps, conditions, etc.) should be included. For contracts with multiple Des. numbers, use the lead Des. number in the ERMS Title and include a summary sheet identifying which permits are applicable to which Des. number. Ensure that the combined PDF is keyword searchable and include bookmarks to locate different permits within the file. Where projects are bundled, duplicate permit conditions should be removed.





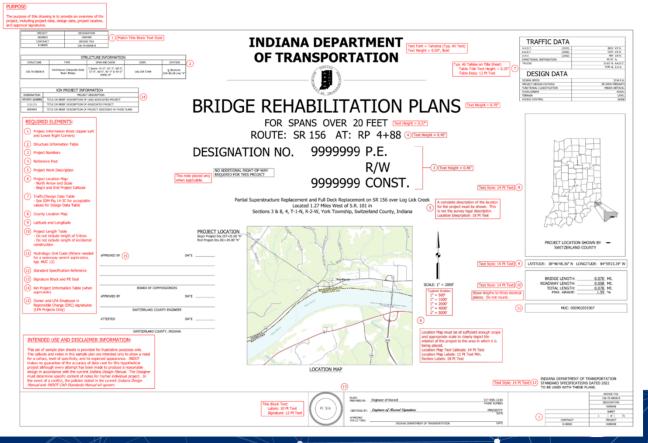


Bridge Design Aids (BDA) are a means to share bridge design information with bridge construction and design professionals throughout the state in a timely fashion. BDAs are not policy. They include a variety of guidance such a answers to commonly asked questions, "good practice" tips, and other topics of interest.

Our hope is that this effort will reduce confusion regarding the Department's preferences and lead to more uniform bridge plans throughout the state.

When BDA updates are published, notifications will be shared via the INDOT Design Consultants listserv. Subscribe <u>†</u>

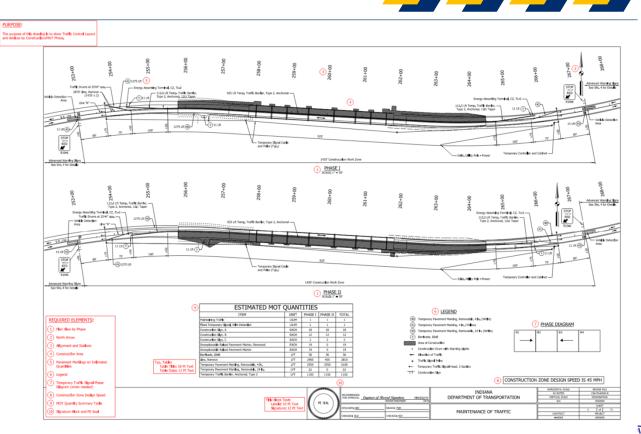
BDA Number	Date	Subject
<u>100-05</u>	12/20/2023	Bridge Sample Plans - Rehabilitation
100-03	Rev. 12/13/2023 (Prev. 05/10/2023)	Bridge Design Review Checklists
<u>404-01</u>	12/7/2022	Continuous Deck Pour - Prestressed Beams



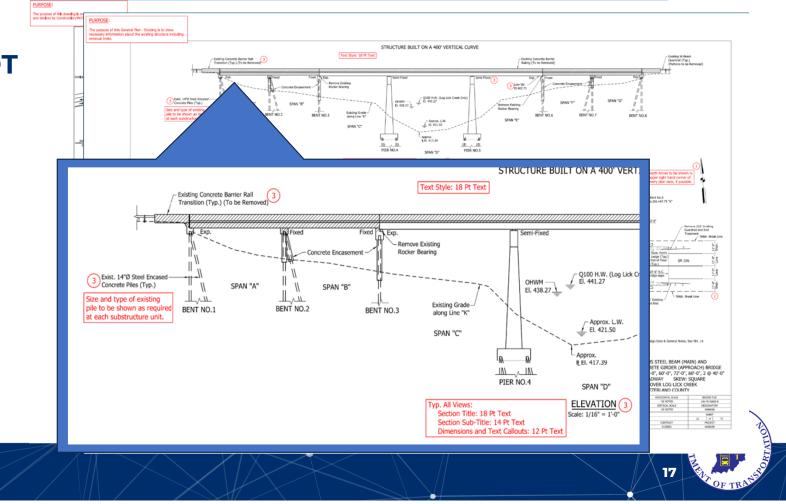


Highlights

• Temp. Signal MOT



- Highlights
- Temp. Signal MOT
- Existing GP



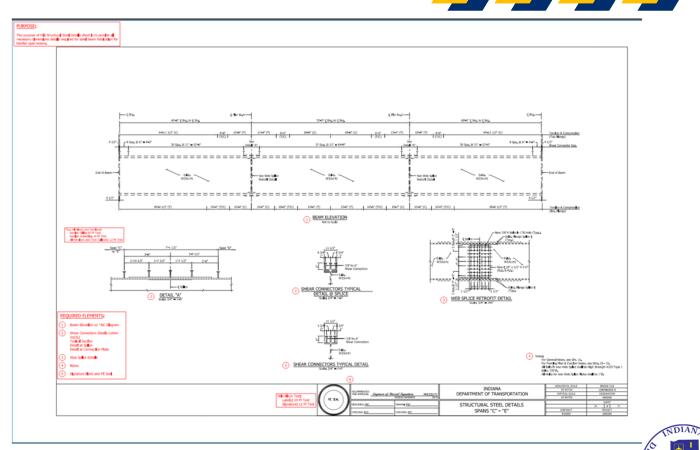
Highlights

- Temp. Signal MOT
- Existing GP
- Specific Notes

7 GENERAL NOTES Reinforcing steel covering shall be 2 1/2" in top and 1" minimum in the bottom of the floor slabs and 2" in all other parts unless noted. The tops of wing walls, tops of pier caps and concrete railing to be sealed in accordance	<image/> <text><text><text><text><text><text><text></text></text></text></text></text></text></text>
with Article 702.21 of Specifications. Estimated Quantity = $4,454$ Sft.	(10) DESIGN DATA 44 leading in accordance with 1953 A45HD Sonothations.
	ms in Approach Spans, and reconstructed bent caps designed for
Where new work is to be fitted to old work, the Contractor shall check and verify all dimensions, elevations, and conditions in the field and report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new construction to the existing structure.	
Portions of Present Structure to be removed.	O Specifications.
Data shown for existing bridge and subsequent geometry for proposed structure taken from original structure plans. Due to the unknown original datum from the existing plans, the Q100 Elevation from the hydraulics and the Low Water Elevation from the existing plans were adjusted by 1.33' which is the approximate difference between the bridge seat elevations from the existing plans versus the 2019 survey.	aps designed for cations, Eighth
9 Plans for existing structure are on file in the Research and Document Section at the Indiana Department of Transportation, as Bridge File No. 156-78-03115 and are available upon request. The existing bridge was built and alignment was established under Project No. S-33(5) and Contract No. 4418.	act and tions.

Highlights

- Temp. Signal MOT
- Existing GP
- Specific Notes
- Steel Details



Sweet – Communication

Designers

- Early coordination on unique situations
 - Design Exceptions
 - Field Check Requests
 - Major Projects Noted

INDOT

- RSP Updates impacting designers
- New ListServe service coming soon

