



FHWA HIGHLIGHTS



U.S. Department
of Transportation
**Federal Highway
Administration**

BRIDGE INSPECTION WORKSHOP

APRIL 14, 2022

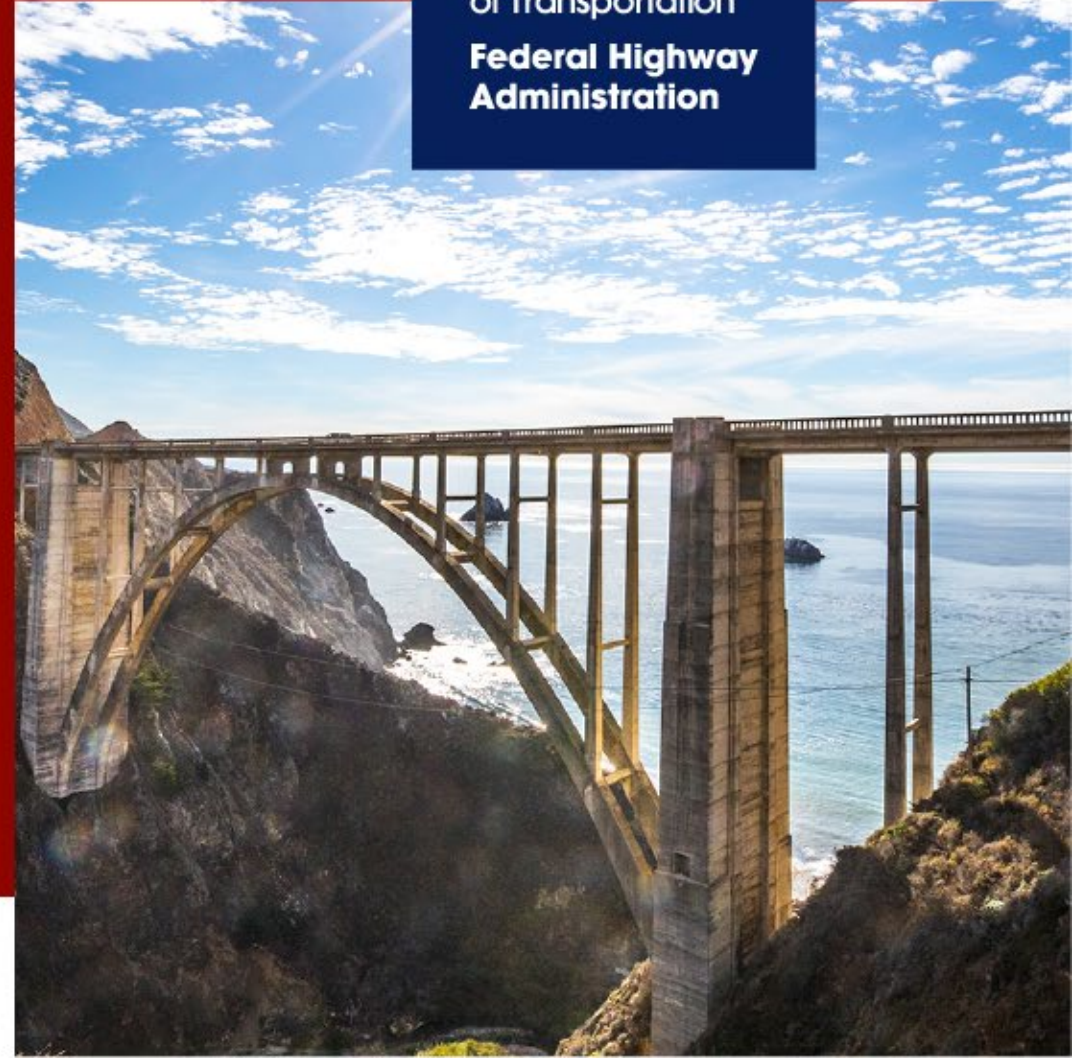
Agenda

- Bridge Review
 - Metrics review summary
- Tunnel Review
 - Metrics review summary
- In-Depth Inspections and Special Inspections
- News



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Bridges

- PY2021 (Dec. 31st)
 - Compliance: 15
 - Substantial Compliance: 3
 - Conditional Compliance: 4
 - Non-Compliance: 1
- PY2022 (Dec. 31st)
 - Compliance: 15
 - Substantial Compliance: 3
 - Conditional Compliance: 4
 - Non-Compliance: 1

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National Bridge Inspection Program
Review Year PY22

FSM Summary Sheet

State Name: Indiana

Metric Number	Prior Year Compl.	Assess. Level	Dec 31 Compl.	Mar 31 Compl.
01 - Bridge Inspection Organization	C	Min	C	C
02 - Qualifications of Personnel - Program Manager	C	Min	C	C
03 - Qualifications of Personnel - Team Leader(s)	C	Min	C	C
04 - Qualifications of Personnel - Load Rating Engineer	C	Min	C	C
05 - Qualifications of Personnel - UW Bridge Inspection Di	C	Min	C	C
06 - Inspection Frequency - Routine - Lower Risk Bridges	SC	Int	C	C
07 - Inspection Frequency - Routine - Higher Risk Bridges	SC	Int	SC	SC
08 - Inspection Frequency - Underwater - Lower Risk Bridg	C	Min	C	C
09 - Inspection Frequency - Underwater - Higher Risk Brid	C	Min	C	C
10 - Inspection Frequency - Fracture Critical Member	C	Min	C	C
11 - Inspection Frequency - Frequency Criteria	SC	Min	SC	SC
12 - Inspection Procedures - Quality Inspections	C	Min	SC	SC
13 - Inspection Procedures - Load Rating	SC	Int	SC	SC
14 - Inspection Procedures - Post or Restrict	C	Int	NC	CC
15 - Inspection Procedures - Bridge Files	CC	Min	CC	CC
16 - Inspection Procedures - Fracture Critical Members	C	Int	C	C
17 - Inspection Procedures - Underwater	C	Min	C	C
18 - Inspection Procedures - Scour Critical Bridges	CC	Min	CC	CC
19 - Inspection Procedures - Complex Bridges	C	Min	C	C
20 - Inspection Procedures - QC/QA	C	Min	C	C
21 - Inspection Procedures - Critical Findings	CC	Min	CC	CC
22 - Inventory - Prepare and Maintain	C	Min	C	C
23 - Inventory - Timely Updating of Data	C	Min	C	C



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Tunnels

- PY2021 (Dec. 31st)
 - Compliance: 10
 - Substantial Compliance: 2
 - Conditional Compliance: 0
 - Non-Compliance: 0
 - Not applicable: 3
- PY2022 (Dec. 31st)
 - Compliance: 7
 - Substantial Compliance: 5
 - Conditional Compliance: 0
 - Non-Compliance: 0
 - Not applicable: 3

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National Tunnel Inspection Program
Review Year PY22

FSM Summary Sheet

State Name: Metric Number

	Prior Year Compl.	Assess. Level	Dec 31 Compl.	Mar 31 Compl.
01 - Tunnel Inspection Organization	C	Min	C	C
02 - Qualifications of Personnel - Program Manager	C	Min	C	C
03 - Qualifications of Personnel - Team Leader(s)	C	Min	C	C
04 - Inspection Interval - Initial and Routine	C	Min	C	C
05 - Inspection Interval - Damage, In-Depth and Special Inspections	C	Min	SC	SC
06 - Inspection Procedures - Quality Inspections	C	Int	SC	SC
07 - Inspection Procedures - Tunnel-Specific Inspection Procedures	C	Int	SC	SC
08 - Inspection Procedures - Functional Systems Testing	NA	Min	NA	NA
09 - Inspection Procedures - Load Rating	NA	Min	NA	NA
10 - Inspection Procedures - Post or Restrict	NA	Min	NA	NA
11 - Inspection Procedures - Tunnel Files	SC	Min	SC	SC
12 - Inspection Procedures - QC/QA	SC	Int	SC	SC
13 - Inspection Procedures - Critical Findings	C	Int	C	C
14 - Inventory - Prepare and Maintain	C	Int	C	C
15 - Inventory - Timely Updating of Data	C	Min	C	C



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In-Depth Inspections



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- In-Depth inspection definition
 - 23 CFR 605.305 – A close-up, inspection of one or more members above or below the water level to **identify any deficiency not readily detectable using routine inspection procedures**; hands-on inspection may be necessary at some locations.
- Hands-on definition
 - Inspection within arms lengths of the component. Inspection uses visual techniques that may be supplemented by nondestructive testing.





Special Inspection

- Special inspection definition
 - 23 CFR 605.305 – An inspection scheduled at the discretion of the bridge owner, used to **monitor** a particular known or suspected deficiency.



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FHWA Highlights



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- New National Bridge Inspection Standards (NBIS) & Specifications for the National Bridge Inventory
- Summer 2022
- No changes this year
- Metrics review will be based on the 23 Metrics review manual + 30-day final rule requirements
- Next two cycles - Coding Guide and 23 Metric + 30-day + 24 months requirements
- Next two cycles – SNBI and Hybrid metric
- Finally – SNBI and Revised NBIS Metric



Thank you!



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