

INDOT Bridge Design Conference February 14, 2019

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Welcome

Meet someone you do not know



INDOT Bridge Design Webpage

- <https://www.in.gov/indot/3669.htm>

INDOT

Engineering & Asset Management

Asset Management

Real Estate

Traffic Safety

Multimodal

Engineering

Bridge Design and Load Rating

Hydraulic Design

INDOT » ENGINEERING & ASSET MANAGEMENT » BRIDGE DESIGN AND LOAD RATING

BRIDGE DESIGN AND LOAD RATING

The Bridge Design Office is responsible for the design of new, replacement and rehabilitated bridges, bridge plan review and bridge load rating.

General Information

ASCE-INDOT Structures Committee

- ASCE-INDOT Structures Committee
- INDOT Bridge Design Conference
- Federal Lands Design Resources
- Purdue Road School Archived Presentations
- Design Aid
 - 100-01 Bridge Sample Plans
 - List of all Bridge Design Aids by Date

NextLevel INDIANA

Bridge Design Updates

- INDOT Bridge Design Webpage Reference Material
 - Not Formal Policy
 - Support Good Engineering Judgement
 - Web-links to other State DOT design information
 - Design examples
 - FHWA Reference materials
 - Bridge Design Aids
 - Formal INDOT guidance / not policy
 - JTRP Research Projects
- Load Rating
 - All State and County bridges load rated for legal loads by November 2019
 - New list-serve for load rating updates and guidance

Bridge Design Considerations

- Prestressed Box Beams
- VE-LMC Overlays
- Bridge deck grooving (not tining)
- Terminal Joints
- Judgement required for appropriateness of single rows of piles in soft soils



2019 Bridge Design Conference

