



# INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue  
Room N642  
Indianapolis, Indiana 46204

**Eric Holcomb, Governor**  
**Joe McGuinness, Commissioner**

## Bridge Inspection Memorandum No. 18-04

October 23, 2018

**TO:** All Inspection Personnel and Consultants

**FROM:** /s/ Jeremy Hunter  
Jeremy Hunter  
Director  
Bridge Design Division

**SUBJECT:** Evaluating Emergency Vehicle Loads, EV2 and EV3

**REVISES:** *INDOT Bridge Inspection Manual Part 3, Section 3-4.02*

**EFFECTIVE:** Immediately

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The *INDOT Bridge Inspection Manual Part 3, Load Rating* has been updated to include additional guidance evaluating emergency vehicle loads, EV2 and EV3.

The Fixing America's Surface Transportation Act (FAST Act) increased the weight limits for emergency vehicles beyond the limits given in Federal Bridge Formula B, yet specified that these vehicles are to be load rated at legal load levels. The Federal Highway Administration (FHWA) issued a memorandum on November 3, 2016, which provided guidance on considering emergency vehicles for bridge load ratings.

INDOT has adopted the following in response to the FHWA memo.

- A live load factor of 1.3 should be used for all emergency vehicles. This applies to both Load and Resistance Factor (LRFR) and Load Factor Rating (LFR) methods.
- Single lane only live load distribution should be used when evaluating emergency vehicles, regardless of the number of lanes on the bridge.

Contact Jeremy Hunter with questions and comments at (317) 233-2096 or by email at [jhunter@indot.in.gov](mailto:jhunter@indot.in.gov).