



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450


KEVIN J. THIBAUT, P.E.
SECRETARY

STRUCTURES DESIGN BULLETIN 21-04

(FHWA Approved: October 22, 2021)

DATE: November 2, 2021

TO: District Directors of Transportation Operations, District Directors of Transportation Development, District Design Engineers, District Construction Engineers, District Consultant Project Management Engineers, District Geotechnical Engineers, District Structures Design Engineers, District Maintenance Engineers, District Program Management Engineers, District Materials Engineers, FDOT Design Manual Holders

FROM: Robert V. Robertson, P.E., State Structures Design Engineer 

COPIES: Courtney Drummond, Will Watts, Tim Lattner, Dan Hurtado, Rudy Powell, Tim Ruelke, Trey Tillander, Stefanie Maxwell, Scott Arnold, Joe Santos, Michael Shepard, Gevin McDaniel, Paul Hiers, Matt Kosar, Sam Fallaha, Andre Pavlov, Ben Goldsberry, Larry Jones, Rafiq Darji (FHWA), Bren George (FHWA), Kevin Burgess (FHWA)

SUBJECT: Application of Design Vehicular Live Loads for Multi-Span Bridges

REQUIREMENTS

Implement Section 2.1.2.A of the 2022 *Structures Design Guidelines (SDG)* on projects currently under design as indicated below.

BACKGROUND

The provisions of Article 3.6.1.3.1 bullet point three of the *AASHTO LRFD Bridge Design Specifications (BDS)* has been misinterpreted recently on several projects. The 2022 *SDG* replaces the *AASHTO LRFD BDS* language to clarify that the described live load case is applicable to reactions at all interior supports of multi-span structures regardless of superstructure continuity.

IMPLEMENTATION

For multi-span structures, these requirements clarify existing criteria and are effective immediately on design-bid-build projects that have not reached letting and for design-build projects that have not been Released for Construction. List this Structures Design Bulletin in the General Notes as the basis for the design of the plans.

Structures Design Bulletin 21-04
Page 2 of 2

CONTACT

Ben Goldsberry, P.E.
Assistant State Structures Design Engineer
Phone (850) 414-4278
Ben.Goldsberry@dot.state.fl.us

RVR/bg