



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

April 6, 2010

MEMORANDUM

To: District Structures Maintenance Engineers (Pepe) Garcia, Keith Campbell, Ed Gassman, John Danielsen, Ron Meade, Frank Guyamier, Aran Lessard); District Structures Design Engineers (Gerard Moliere, Rod Nelson, Keith Shores, Fred Ochoa, Neil Kenis, Jorge Rodriguez, Scott Arnold, Russ Snyder);

From: Jeffrey Pouliotte, P.E., State Structures Maintenance Engineer *Jeffrey A. Pouliotte*

Copies: Brian Blanchard, P.E., Chief Engineer
Tim Lattner, Director, P.E., Office of Maintenance,
Robert Robertson, P.E., State Structures Design Engineer
Jean Ducher, P.E., State Bridge Evaluation Engineer
Bryan Hubbard, P.E., Structures Maintenance Engineer

Subject: Load Rating Bulletin LR-10-01
Use of striped and design lanes when performing permit load rating of existing concrete segmental post tensioned bridges.

REQUIREMENTS

- 1- For concrete segmental bridges designed with LRFD or LFD, perform the longitudinal permit load rating using an FL120 truck for one or more lanes. Use striped lanes for the Strength II and Service III conditions. The multiple presence factor shall not exceed 1.0.
- 2- Perform a longitudinal Strength II permit rating using an FL120 truck using design lanes. The multiple presence factor shall not exceed 1.0.
- 3- Perform a transverse Service I permit load rating using a 32 kip axle for the single axle rating, and 50 kip tandem for the tandem axle rating

COMMENTARY

It is not the intent of this Memorandum to change our current policy towards concrete segmental bridges. Instead this Memorandum's goal is to clarify current requirements as well as to include a few additional ones.

The purpose of these new requirements is to allow our office to operate concrete segmental bridges in unusual situation such as traffic counter flow, single lane loading for overweight and over-dimension vehicles and emergencies. The load rater should refer to section 6 of the current edition of the FDOT modifications to LRFR for segmental bridges.

IMPLEMENTATION

This Memorandum supersedes current provisions of the FDOT modifications to LRFR, and is effective immediately.

CONTACT

Jean M. Ducher
State Bridge Evaluation Engineer
Phone (850) 410-5809, Fax: (850) 410- 5511
Jean.ducher@dot.state.fl.us

JP/jd