

## Proposal for BDDM – Live Load for Repair & Strengthening

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Modify the following section:

### 1.1.7.2 Live Loads – (continued)

(4) **Structure Repair and/or Strengthening** – When repairing or strengthening an existing structure it is not necessary to meet the loading given in 1.1.7.2(1). Design repair or strengthening projects for the maximum load effect from the following permit trucks using the [AASHTO LRFD Bridge Design Specifications](#) Strength II Limit State (see Figure 1.1.7.2A):

- ODOT OR-STP-4D
- ODOT OR-STP-5BW
- ODOT OR-STP-4E

For single-span bridges with prismatic girders, Figures 1.1.7.2B to 1.1.7.2E are provided to help determine the controlling permit truck for various span lengths.

For repair and/or strengthening of prestressed concrete structures, ensure the requirements of Service I and III Limit States are satisfied using HL-93 loading.

### Background

New language is necessary to clarify that repairs & strengthening projects must be designed according to the AASHTO LRFD Bridge Design Specifications.