

## TRANSMITTAL MEMORANDUM 22-01

To: Division of Structural Design Staff  
Division of Materials  
Division of Construction  
Design Consultants

From: Michael Carpenter  
Director  
Division of Structural Design

Date: March 28, 2022

Subject: Stay in Place Forms Design Weights

Due to extreme difficulties in obtaining expanded polystyrene foam products for filling voids in stay in place forms, effective immediately on all new designs, include the following weights for formwork. These weights include the stay in place form steel weight and the additional concrete in the voids.

For beams with up to 8' flange tip spacing use 16psf.

Include the following note for bridge with up to 8' flange tip spacing in the plan general notes:

FORM WEIGHT: Design includes 16 psf for stay in place form weight and allows for concrete filling the voids.

For beams with >8' flange tip spacings use 20psf.

Include the following note for bridges with >8' flange tip spacings in the plan general notes:

FORM WEIGHT: Design includes 20 psf for stay in place form weight and allows for concrete filling the voids. Contractor shall ensure form weight (including concrete in voids) does not exceed 20 psf average and shall fill alternate voids with Styrofoam as necessary to maintain an average form weight of 20 psf or less.

For bridges with varying beam spacings, use worst case beam tip spacing and formwork weight for the entire structure.

MC/CVZ/JVZ