

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of the exterior girder. The finishing machine was assumed to be supported 6 in. outside the vertical coping form. The top overhang brackets were assumed to be located 6 in. past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the girder bottom flange and web.

Deck Falsework Loads: Designed for 15 lb/ft² for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

Construction Live Load: Designed for 20 lb/ft² extending 2 ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

Finishing-Machine Load: 4500 lb distributed over 10 ft along the coping.

Wind Load: Designed for 70 mph horizontal wind loading of 50 lb/ft² in accordance with AASHTO *Guide Design Specifications for Bridge Temporary Works* (1995), Figure 2.1.

CONSTRUCTION-LOADINGS INFORMATION TO BE SHOWN ON GENERAL PLAN

Figure 60-3G