

722-B-329 CONCRETE BRIDGE DECK OVERLAYS

(Adopted 11-19-25)

The Standard Specifications are revised as follows:

SECTION 722, BEGIN LINE 522, DELETE AND INSERT AS FOLLOWS:

~~Screed rails and construction dams~~*Bulkheads* shall be separated from the newly finished overlay by passing a pointing trowel along the ~~rail-to-overlay and dam~~*bulkhead-to-overlay* interfaces after the overlay has sufficiently set such that it does not flow back. This trowel cut shall be made for the entire length and depth of the ~~rail or dam~~*bulkhead*. ~~The rails may be removed any time after the overlay has initially set. The bulkhead may be faced with a removeable material, such as roofing felt, that shall be separated from the edge of the overlay once the overlay has sufficiently set such that it is able to maintain a vertical edge.~~ Adequate precautions shall be taken during and after the ~~rail~~*bulkhead* removal to protect the edge of the new overlay from damage. *All vertical edges of the overlay that will abut a subsequent phase of overlay shall be water blasted or sandblasted to create a roughened surface.*

Only construction joints shown on the plans shall be used. Construction joints shall not be placed in other locations unless written approval has been received from the Engineer.

SECTION 722, BEGIN LINE 625, DELETE AND INSERT AS FOLLOWS:

For LMC overlays the minimum curing period shall be 48 h of wet cure followed by 48 h of dry cure. An LMC overlaid bridge deck may be opened to traffic ~~during the dry curing duration after the wet curing period and~~ when the compressive strength of cylinders is 4,000 psi or greater.

SECTION 722, BEGIN LINE 639, DELETE AND INSERT AS FOLLOWS:

The wet cure period for all overlay types is not controlled by strength and shall not be reduced. Membrane forming curing compound shall not be used to cure the bridge deck overlay. All cylinders *for compressive strength determination* shall be *either 4 in. by 8 in. or 6 in. by 12 in.* ~~and~~*Final* compressive strength shall be determined from the average of a minimum of *either two 6 in. by 12 in. cylinders or three 4 in. by 8 in. cylinders*. For LMC and SFMC, cylinders shall be cast and cured in accordance with 702.24. For LMC-VE cylinders shall be cast and field cured at the jobsite under the same conditions as the LMC-VE overlay.
