



MEMORANDUM

TO: District Engineers **DATE:** September 3, 2003
FROM: Ken Bohuslav, P.E.
SUBJECT: Revised Roadway Standards (English and Metric)

Changes have been made to the Continuously Reinforced Concrete Pavement standard sheets.

The attached sheets will be applicable to all new construction projects beginning with the December 2003 letting. The new standards are available from the Roadway Standards web page, formatted in Microstation® .dgn. Following is a summary of the individual sheet changes.

CRCP(1)-03 (One Layer Steel Bar Placement)

The CRCP(1)-03 sheet replaces CPCR(1)-94 (English). This standard applies to 8, 9, 10, 11, 12, and 13 inch thick slabs. The bar size for longitudinal and transverse steel has been standardized to #6 bars. In Table No.1, the longitudinal steel spacings have been changed to provide a minimum of 0.6% steel. Additional steel bars at transverse construction joints are required for all pavement thicknesses. The format of Table No. 2 has been changed. The user will determine transverse bar spacing from the slab thickness and the pavement width. The equations to calculate the transverse steel and tiebar spacings have been deleted. Steel bar placement tolerances have been added in General Notes.

The CRCP(1)-03(M) sheet is the Metric version of CRCP(1)-03. The CPCR(1)-95(M) sheet has been replaced by CRCP(1)-03(M) sheet.

CRCP(2)-03 (Two Layer Steel Bar Placement)

The CRCP(2)-03 sheet replaces CPCR(2)-94 (English). This standard applies to 14 and 15 inch thick slabs. The bar size for longitudinal and transverse steel has been standardized to #6 bars. At longitudinal construction joints, multiple piece tiebars are required for both steel layers at each transverse bar location. Additional steel bars at transverse construction joints have been added. The format of Table No. 2 has been changed. The user will determine transverse bar spacing from the slab thickness and the pavement width. The equations to calculate the transverse steel and tiebar spacings have been deleted. In Table No. 3, the dimensions d1 and d2 have been revised and d3 has been deleted. Steel bar placement tolerances have been added in General Notes.

The CRCP(2)-03(M) sheet is the Metric version of CRCP(2)-03. The CPCR(2)-95(M) sheet has been replaced by CRCP(2)-03(M) sheet.

If you have any questions or need additional information concerning these standard pavement details, contact Dr. Moon Won, P.E., Rigid Pavements and Concrete Branch Manager for the Materials & Pavements Section, Construction Division, at (512) 506-5863. Questions concerning other roadway standard details may be directed to Rory Meza, P.E., Director of the Roadway Design Section, Design Division, at (512) 416-2678.

Note: Original Signed by Ken Bohuslav, P.E.

Attachments

cc: Administration
Bridge Division
Construction Division
General Services Division
Maintenance Division
Texas Turnpike Authority Division
Traffic Operations Division
Federal Highway Administration