

JULY 27, 1994

Last Revision 5/7/01 - The SP5 Book was totally renumbered as of 10/4/99

This work shall consist of constructing _____ Pavement Joints in accordance with the provisions of Mn/DOT 2301, the Plan detail and the following:

Measurement will be made by the length of _____ Pavement Joints constructed as specified. Payment will be made under Item 2301.604 (Pavement Joints, Design _____) at the Contract bid price per linear foot, which shall be compensation in full for all costs incidental thereto.

REVISED 11/6/95

SP5-121

S- (2301) DRILL AND GROUT REINFORCEMENT BARS

This work shall consist of drilling, grouting, and inserting No. __ reinforcement bars in accordance with the provisions of Mn/DOT 2301, and the following:

Measurement will be made by the weight of reinforcement bars that are furnished, installed, and grouted in place as specified. Payment will be made under Item 2301.602 (Drill and Grout Reinforcement Bars) at the Contract bid price per pound, which shall be payment in full for all costs incidental thereto.

SP5-122

S- (2301) CONCRETE SHOULDER

This work shall consist of constructing concrete shoulders in accordance with the provisions of Mn/DOT 2301, and the following:

Measurement will be made by the area of concrete pavement constructed as specified. Payment will be made under Item 2301.603 (Concrete Shoulder) at the Contract bid price per square yard, which shall be payment in full for all costs incidental thereto, other than the structural concrete which will be compensated for separately under this Contract.

SP5-123

S- (2301) CONCRETE TEXTURE-PLANING

This work shall consist of planing and texturing the surface of the existing concrete pavement on the main line lanes, widening lanes and ramp stubs in a longitudinal direction as directed by the Engineer. The intent of this specification is to improve skid resistance, reducing rutting and promote drainage. Existing joint seals may be removed prior to or in conjunction with this operation. However, tolerances for joint sealing shall be measured from the resulting planned surface.

S- .1 The entire surface area of pavement designated shall be planed in a manner that results in a uniform texture. The surface shall have a finished texture with grooves between 0.097 and 0.130 inches, and 0.080 and 0.115 inches apart. The width of kerf shall be adjusted to maximize skid resistance. The grooves shall not be less than 0.031 or more than 0.115 inches in depth. The actual

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textured area of any selected two foot by one hundred foot longitudinal area of pavement shall not be less than 98% of the selected area.

S- .2 All concrete repairs to the existing concrete pavement must be made before the concrete-texture planing operation is commenced. All repairs, except "TYPE D" repairs in excess of 30 lineal feet will have a texture-planed surface. Those "TYPE D" repairs in excess of 30 feet shall have a 15-foot minimum texture-planed runout at each end to eliminate bumps.

S- .3 Residue and excess water resulting from this operation shall be removed from the roadway by vacuuming. Residue and water shall not be permitted to either flow across lanes occupied by traffic or to flow into gutters or other drainage facilities.

S- .4 After completion of the planing, the department will test the pavement surface for smoothness. The permissible surface deviation will be 1/8 inch in 10 feet parallel to the centerline and 1/8 inch in 3 feet, at right angles to the centerline.

S- .5 Planed areas not meeting these requirements may, at the Engineer's option, be replaced, replanned or left as is and accepted for payment subject to price adjustment, as set forth in Mn/DOT 2301.3P1b but, in all cases, will provide positive drainage.

S- .6 Measurement will be made to the nearest square yard of concrete area planed and textured based on the lane width times the length planed. Payment will be made under Item 2301.603 (Concrete Planing) at the Contract bid price per square yard, which price shall be compensation in full for all costs relative thereto including, but not limited to, the specified texture planing.

REVISED 8/30/00

SP5-124

S- (2301) CONCRETE PLANING SPECIAL

This work shall consist of removing concrete pavement adjacent to the longitudinal joint where a widening lane is at a higher elevation than the mainline roadways in accordance with the applicable Mn/DOT Standard Specifications and the following:

S- .1 Where this condition exists, the Contractor will precut the area with the concrete planing machine to remove the vertical lip at the joint and transition the cut to match the in place pavement at a line 3 feet from the joint. In some areas, it may be necessary to extend this transition width to 6 feet.

S- .2 This work will include the removal of up to one-half of concrete at the longitudinal joint line per pass. Where it is necessary to plane more than one-half inch of material at the joint line, the