

ITEM 01520.0298 M - SAW CUTTING UNREINFORCED CONCRETE FOUNDATION FOR PAVEMENT

DESCRIPTION:

Saw cut joints in portland cement concrete (PCC) foundation for pavement.

MATERIALS:

None Specified.

CONSTRUCTION DETAILS:

Use an approved power saw with diamond blades. Begin saw cutting when the PCC has hardened sufficiently to allow cutting without excessive raveling. Make cuts 3 mm wide and 1/4 of the pavement foundation thickness deep. Do not seal the saw cuts.

Saw cut transverse joints first. Skew the transverse joint saw cuts 10_ from a line normal to the pavement centerline. Change the direction of the skew at the longitudinal joint nearest the pavement centerline such that a "v-shaped" or "herringbone" pattern results. Spaced skewed transverse saw cuts at 3.0 to 5.5 m intervals where indicated on the plans or directed by the Engineer.

If skewed transverse joints are to be saw cut before form removal, place shims into the plastic concrete immediately adjacent to each form at each saw cut location. Align the shims at the proper skew. Use 3 mm wide shims placed to a depth equal to that of the saw cut. The shim lengths must be sufficient to allow complete saw cutting to each shim without striking the form.

Saw cut longitudinal joints daily whenever transverse joints were cut earlier that day. Saw cut longitudinal joints when multiple lanes are placed simultaneously or a wide placement results. Locate longitudinal joints where indicated on the plans or directed by the Engineer. Attempt to locate longitudinal saw cuts such that they coincide with travel lane boundaries. Do not saw cut a longitudinal joint between lanes placed separately.

Do not disturb or damage existing pavement or curbs to remain in place. Repair any construction damage to the satisfaction of the Engineer at no cost to the State.

METHOD OF MEASUREMENT:

The Engineer will compute the meters of saw cutting done in accordance with this specification.

BASIS OF PAYMENT:

Include the cost of all labor and equipment necessary to complete the work in the unit bid price.