

REQUESTS FOR INFORMATION RESPONSE
SOLICIATION N40080-16-T-3008

Q1. The plans don't show it, but do you want the new concrete doweled around the perimeter?

Answer: The new concrete shall be doweled into the two adjacent longitudinal slabs and one transverse slab but not the door track structure. The steel dowels shall be 1 inch diameter; 16 inches long minimum; spaced 12 maximum. One half of the dowel shall be painted and oiled to prevent bonding with the new concrete.

Ensure the method used to install and hold dowels in position result in dowel alignment within the maximum allowed horizontal and vertical

tolerance of 1/8 inch per foot after the pavement has been completed. Except as otherwise specified below, maintain the horizontal spacing of dowels within a tolerance of plus or minus 5/8 inch. Locate the dowel vertically on the face of the slab within a tolerance of plus or minus 1/2 inch. Measure the vertical alignment of the dowels parallel to the designated top surface of the pavement. Check horizontal alignment perpendicular to the joint edge with a framing square. Do not place dowels closer than 0.6 times the dowel bar length to the planned joint line. If the last regularly spaced longitudinal dowel is closer than that dimension, move it away from the joint to a location 0.6 times the dowel bar length, but not closer than 6 inches to its nearest neighbor. Resolve dowel interference at a transverse joint-longitudinal joint intersection by deleting the closest transverse dowel. Do not position the end of a longitudinal dowel closer than 12 inches from the end of the nearest transverse dowel.

Install dowels in hardened concrete by bonding the dowels into holes drilled into the hardened concrete. Drill holes 1/8 inch greater in diameter than the dowels into the hardened concrete using rotary-core drills. Rotary-percussion drills are permitted, provided that excessive spalling does not occur to the concrete joint face. Excessive spalling is defined as spalling deeper than 1/4 inch from the joint face or 1/2 inch radially from the outside of the drilled hole. Continuing damage requires modification of the equipment and operation. Drill depth of dowel hole within a tolerance of plus or minus 1/2 inch of the required dimension. Upon completion of the drilling operation, blow out the dowel hole with oil-free, compressed air. Bond dowels (unoiled end) in the drilled holes using epoxy resin. Inject epoxy resin at the back of the hole before installing the dowel and extruded to the collar during insertion of the dowel so as to completely fill the void around the dowel. Application by buttering the dowel is not permitted. Hold the dowels in alignment at the collar of the hole, after insertion and before the grout hardens, by means of a suitable metal or plastic grout retention ring fitted around the dowel.

Q2. The epoxy coating is for a small area, do you want it as part of the bid or as an add alternate?

Answer: Bid it as part of the bid in CLIN 0001 per the Statement of work.