

ITEM 555.8802--09 – PIPE JOINT REPAIR

DESCRIPTION

This work shall consist of filling and sealing joints greater than 5 mm in width in existing concrete culvert pipes using concrete repair material.

Work shall be performed at locations shown on the plans or as directed by the Engineer.

MATERIALS

Concrete Repair Material. This material shall conform to the Standard Specification Subsection 701-04 or 701-08 as appropriate. The material shall be on the current Department Approved Products List.

Water. Water shall conform to the Standard Specification Subsection 712-01.

CONSTRUCTION DETAILS

Surface Preparation. Remove all unsound existing mortar, debris, or contaminants in the culvert pipe joints using hand tools or other methods as approved by the Engineer. The joints shall be cleaned of debris to the full depth of the concrete joints. Surfaces of the existing joints shall be oil free high pressure air blasted prior to placement of concrete repair material. The joints shall be free of standing water.

Filling Joints. Concrete repair materials shall be mixed to the proportions recommended by the manufacturer. The material shall be firmly placed, completely filling the joints, and finished flush with the interior pipe surface. The material shall be allowed to fully cure prior to performing subsequent work in the area of the repair.

METHOD OF MEASUREMENT

The work will be measured as the number of 25 Kg bags of approved concrete repair material actually placed into production as recorded by the Engineer. Bags of concrete repair material which have not been approved, or recorded, by the Engineer will not be measured for payment. Deductions may be made for waste that the Engineer considers to be unreasonable.

BASIS OF PAYMENT

The price bid per bag of concrete repair material shall include the cost of all labor, materials and equipment necessary to complete the work.