SECTION 104
WATER FOR USE
IN PORTLAND CEMENT CONCRETE

104.1 GENERAL REQUIREMENTS

A. General

Water for use in Portland Cement Concrete, mortar and cement stabilization or similar uses shall be as described herein.

B. Related Work

Section 40  Portland Cement Concrete Pavement
Section 55  Concrete Masonry
Section 56  Concrete for Incidental Construction (Class M)
Section 60  Concrete Curb and Gutter
Section 61  Concrete Sidewalk and Handicap Ramps
Section 62  Drop Inlets
Section 67  Fabric Formed Concrete Mat

104.2 SPECIFIC REQUIREMENTS

A. Requirements

Water used in Portland Cement Concrete and cement stabilization shall be clean and free of oil, salt, acid, alkali, sugar, vegetation, effluent from a sewage disposal plant and other substances detrimental to the finished product.

Water containing suspended matter shall be checked for turbidity. The suspended solids shall not exceed 2000 parts per million.

Water shall be tested for pH and dissolved solids. The pH shall be no less than 6.0 or more than 8.6. Maximum dissolved solids shall be no more than 2500 parts per million.

Should either the suspended matter, pH or dissolved solids tests fail to meet the requirements, the Engineer may request further tests be made according to Section 3.4 of AASHTO T 26.
B. Testing

Turbidity........................................SD414
Dissolved Solids.......................... SD415
pH..................................................Manufacturer Instructions w/Meter

104.3 METHOD OF MEASUREMENT &
104.4 BASIS OF PAYMENT

Water used in Portland Cement Concrete and cement stabilization shall be incidental to the various bid items. There will be no separate payment for water used in Portland Cement Concrete and cement stabilization.

END OF SECTION