

**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**