

State of Washington, Department of Transportation, Standard Specifications

9-03 AGGREGATES

9-03.11 Recycled Portland Cement Concrete Rubble

Recycled Portland cement concrete rubble may be used as, or blended with: ballast; shoulder ballast; crushed surfacing base and top course; maintenance rock; gravel backfill for foundation, walls, and pipe bedding; gravel borrow; bedding material for rigid pipe and flexible pipe; and foundation material Class A, B, and C.

A preliminary sample of the recycled concrete, and native material if any, used for ballast, shoulder ballast, crushed surfacing base and top course, maintenance rock, and gravel backfill for foundation Class A shall be submitted for testing for LA Wear and Degradation Factor. In addition, the source of any native material that may be blended with the recycled Portland cement concrete rubble shall also meet the specifications for LA Wear and Degradation Factor for the type of aggregate being used.

A maximum of 20 percent by weight of recycled asphalt concrete pavement may be used in the blended product. The asphalt concrete content is calculated as the amount of asphalt particles retained on all screens 1/4 inch and above.

The recycled aggregates shall be stockpiled in such a manner that each certified test report will identify a single stockpile of not more than 10,000 tons.

The Contractor shall certify that the recycled material is neither hazardous or toxic. This certification shall address the toxicity characteristics prescribed in WAC 173-303-090(8) under sampling and testing according to WAC 173-303-110. Sampling and testing shall be one per 10,000 tons from any single source and not less than one sample from any single source.

Acceptance of the recycled concrete rubble aggregate for hazardous and toxic requirements shall be by Manufacturer's Certificate of Compliance with accompanying test reports.

Gradation, sand equivalent, and fracture requirements will be per the specific product outlined in these specifications.

