

SECTION 02010 – PORTLAND CEMENT

(Follow all instructions and make all edits with “Track Changes” turned on. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the Project. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Comply with Section 02010 of the Standard Specifications modified as follows:

02010.10(b) Specifications - Replace this subsection except for the subsection number and title with the following:

Furnish portland cement according to AASHTO M 85 or ASTM C150 for low alkali cement except as follows:

- Cement having a total alkali content (sodium and potassium oxide calculated as $\text{Na}_2\text{O} + 0.658 \text{ K}_2\text{O}$) not exceeding 0.60 percent.
- All cement types contain a maximum of 8 percent tricalcium aluminate (C_3A).
- The time-of-setting tests are by either the Gillmore test or the Vicat test.
- Types I and II maximum fineness (specific surface) as determined by AASHTO T 153 air permeability test is 430 m^2/kg . If $\text{C}_3\text{S} + 4.75 \text{ C}_3\text{A}$ is less than or equal to 90, the fineness criteria does not apply.

02010.10(c) Acceptance - Replace this subsection except for the subsection number and title with the following:

Furnish portland cement from the QPL.

02010.20 Blended Hydraulic Cement - Replace this subsection except for the subsection number and title with the following:

Furnish blended hydraulic cement that is either Type IS-portland blast-furnace slag cement, Type IP-portland-pozzolan cement, Type IL-portland-limestone cement, or Type IT-ternary blended cement according to AASHTO M 240.

Furnish blended hydraulic cement from the QPL.