

 **MITSUBISHI CEMENT CORPORATION**
CERTIFICATE OF TEST

Source: Cushenbury Plant

Portland Cement - Type I, II, II (MH) & V

Date: 8/9/2018

ASTM designation: C 150 - 16 for Type I, II, II (MH) & V low alkali Cement

Production Period

CALTRANS Specification: Section 90 – 2.01 for Type II modified and V
Specification: Section 90 – 1.02B(2) (2010)

From: 7/1/2018

NDOT Specification: Section 701 – 3.01 for Type II and V

To: 7/31/2018

AZDOT Specifications Subsection 1006-2.01 for Type II and V

Additional Data

Limestone Addition

% Addition:	3.4
SiO ₂ (%)	8.3
Al ₂ O ₃ (%)	2.5
Fe ₂ O ₃ (%)	0.6
CaO (%)	47.6
SO ₃ (%)	0.4

Base Cement Phase Composition

C ₃ S	54
C ₂ S	18
C ₃ A	4
C ₄ AF	11

We certify that the above described data represents the material used in the cement manufactured during the production period indicated.

MITSUBISHI CEMENT CORPORATION
Cushenbury plant



Tom Gepford
Quality Control Manager