	Standard No.: **MEB-P027**
Manitoba 🦬 **Infrastructure** **MATERIALS ENGINEERING BRANCH**	Effective Date Current: **March 2020** Previous: February 2018 Page 1 of 2

Standard Practice for: **Pay Adjustment for Penetration Grade Asphalt Cement**

1.0   SCOPE

This Standard Practice sets the Pay Adjustment for out of specification penetration grade asphalt cement.

2.0   REFERENCE STANDARDS

ASTM Standards
   D5   Standard Test Method for Penetration of Bituminous Materials
   D8   Standard Terminology Relating to Materials for Roads and Pavements

MEB Standards:
   P031   Sampling and Testing of Asphalt Binder Materials
   C332   Penetration of Bituminous Materials

3.0   GENERAL

The asphalt cement shall conform to the latest specifications of conventional asphalt cements on Manitoba Infrastructure's Approved Products List (APL).

All asphalt cement will be subject to testing for acceptance as per *MEB-P031 Sampling and Testing Asphalt Binder Materials.*

4.0   OUT OF SPECIFICATION RESULTS

The Contract Administrator shall notify the Contractor of out of specification test results as per *MEB-P031 Sampling and Testing Asphalt Binder Materials*.

When a sample is out of specification, the Contract Administrator shall test previous and subsequent samples until the extent of out of specification is determined.

The Contractor shall respond to the notification of out of specification results within five business days identifying the following:

   • The terminal and/or refinery supplying the asphalt cement.
   • The quantity and location(s) of material in question.
   • Any changes to their quality control plan and procedures.
   • Quality Control test results relating to the out of specification asphalt cement in question.

5.0   PAYMENT REDUCTION FACTORS

Pay Adjustment on each load of the supplied asphalt cement will be calculated from Table 1.

Table 1: Payment Reduction Factors for Penetration

Deficiency in Penetration Requirements (dmm)	Payment Reduction (%)
1-10	5
11-20	10
21-30	20
31-50	30
>50	40, Review[1]

NOTES:
(1) Contract Administrator will review test results to determine if the loads are subject to repair or further payment reduction.

6.0   PAYMENT REDUCTION FACTOR

Payment adjustment per load will be calculated using the following equation:

$$PayAdjustment = FullPMT * \%Reduction$$

where:
      FullPMT   *= Full Payment*