

TxDOT Directive

Subject: Crushed Concrete in Flexible Bases

Purpose: To promote cost savings by allowing crushed concrete to be used in flexible base and promotes recycling materials.

Policy:

Type D Flexible Base shall be used in lieu of Type A Flexible Base.

Exceptions to this policy must be approved by the District Engineer.

General Comments:

Type D material is Type A material or crushed concrete. Refer to Item 247 Section 247.2.A.3.b "Recycle Material (including Crushed Concrete)". Requirements provides guidance on objectionable materials and limits on deleterious materials. Special Provision limits sulfates to a maximum allowable to 3000ppm which will allow us to detect unwanted materials such as gyp board, natural sulfates as well as external sulfates.

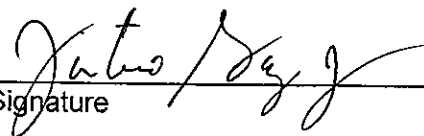
Select material requirements by using Table 1 of Special Provision to Item 247. Use Grade 2 or 5 on higher volume roadways where there is concern with material quality and strength. If Grade 4 is selected and strength requirements are a concern, select the appropriate classification and minimum compressive strength.

1.5 to 2% cement treatment has been recommended by several districts because crushed concrete base is very absorptive (cement treating dramatically reduces this property) and the cement assists with surface irregularities such as raveling.

The DE may consider exceptions to the policy based on the following criteria:

- Factors documented and approved by the District Engineer.

2/26/2010
Effective Date


Signature