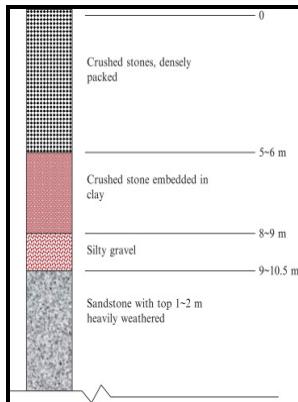


Development of high Friction dense asphalt using natural rock aggregates.

University of Birmingham - Chapter 4



Description: -

-development of high Friction dense asphalt using natural rock aggregates.

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Notes: Thesis (Ph.D.)- Univ. of Birmingham, Dept of Transportation and Environmental Planning.

This edition was published in 1973



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Tags: #Superpave #Mix #Design

Chapter 4

Aggregate Blending It is rare to obtain a desired aggregate gradation from a single aggregate stockpile.

Construction aggregate

Plant mix or raw materials must be furnished by the contractor to the department project engineer to allow verification of the mix design. BC consists of well graded coarse and fine aggregate, filler and bitumen.

Construction aggregate

The most important commercial sources of sand and gravel have been glacial deposits, river channels, and river flood plains. There is no way that compacted base weighs more than that.

On a Slippery Slope? High PSV Asphalt v High Friction Surfacing

As stated in the title of the test method, either sodium sulfate or magnesium sulfate is used to subject an aggregate sample to the effects of freezing and thawing.

Chapter 4

For HMA mix design and analysis, an aggregate sieve analysis uses the following standard sieve sizes: 37. B The allowable limits for soundness shall be 12% if sodium sulfate is used. There are no precise design guidelines for SMA mixes.

Physiochemical characterization of coarse aggregates in Qatar for construction industry

Rismantojo 2006 NCHRP Report 557: Aggregate Tests for Hot-Mix Asphalt Mixtures Used in Pavements, TRB, National Research Council, Washington, DC, 48 pp. Calculation of percent passing from the results of a sieve analysis is straight-forward and is best explained through an example.

Asphalt

For purposes of classifying HMA mix types, there are four types of aggregate gradation: dense-graded, fine-graded, coarse- graded, and open- graded.

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