



Oklahoma Department of Transportation Mix Design Report

Asphalt Concrete, Type S3 (PG 70-28 OK) Mat'l. Code: asco008

Binder - Recycled ID: B2

(Material Full Name and Material Code)

(Design Type and Design Type ID)

Haskell Lemon Const Co (Asphalt) P/S # m00428

S3qc0131791000

(Producer/Supplier Name and Producer/Supplier Code)

(Mix ID)

Haskell Lemon (Norman, OK) - 400TPH PLANT ID # m00428-05

(Plant Name and Plant ID)

Table with 3 columns: Aggregate, Producer/Supplier, % USED. Rows include 1" Rock, 3/8" Chips, Man. Sand, Sand (Unlisted Source), and Fine R.A.P.

Asphalt Cement: Asphaltic Cement Type PG 70-28 OK, acem002, Lion Oil Co. (Muskogee, OK), m00511

(Material Full Name, Material Code, Producer/Supplier Name, Producer/Supplier Code)

Main sieve analysis table with columns for Sieve Size, Producer/Supplier, and various aggregate percentages. Includes a blue box: 'Requires Form 93-E0 signed by the Department for production use. -Oklahoma D.O.T. Materials-'

Mix temperature @ discharge from mixer: 325 (163) ± 20 °F (± 10 °C) Required
Optimum roadway compaction temperature: 305 (152)
Laboratory mixing temperature: 325 (163)
Laboratory compaction temperature: 300 (149)

Tests on Asphalt Cement Found 1.0100

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Tests on Aggregates table with columns: Tests on Aggregates, Required, Units. Rows include Durability Index, F.A.A. %U, Flat and Elongated, etc.

Tests on Compressed Mixtures (@ Design AC) table with columns: # Gyr., % Density of Gmm, % Density Required. Rows for Nini and Ndes.

Tests on Compressed Mixtures table with columns: %AC, Gmb, Gmm, % Density of Gmm, % Density Required, % VMA, % VMA Required, % VFA, % VFA Required.

Dust Prop. table with columns: Dust Prop., Dust Prop. Req., ITS (PSI), TSR, Compacted Wt. (lbs/sy/1" thick) = 111.3 @ 4.4 % Asphalt Cement, 3.5 % New Asphalt Cement

Hamburg Rut Test Depth (mm) 7.58 #N/A

MEETS SPECIFICATION REQUIREMENTS PER SPECIAL PROVISION 708-26(a-f) 09

Comments:

Last Modified By:

McComack, Hunter J. hmccomac

(User Name and User ID)

Date:

6/8/2018

(mm/dd/yyyy)