



Oklahoma Department of Transportation Mix Design Report

Asphalt Concrete, Type S4 (PG 70-28 OK) Mat'l. Code: asco011

Insoluble ID: I1

(Material Full Name and Material Code)

(Design Type and Design Type ID)

APAC-Oklahoma P/S # m00552

S4qc0061800400

(Producer/Supplier Name and Producer/Supplier Code)

(Mix ID)

APAC-OK (Portable) - 400TPH PLANT ID # m00552-01

(Plant Name and Plant ID)

Table with columns: Aggregate, Producer/Supplier, % USED. Rows include #67 Rock, Scrns., Man. Sand, Sand, Mine Chat.

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)

Large sieve analysis table with columns for sieve size, aggregate types (#67 Rock, Scrns., Man. Sand, Sand, Mine Chat), and percentages (Comb. Agg., JMF, Min., Max., Tol.).

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)
Optimum roadway compaction temperature: 305 (152)
Laboratory mixing temperature: 325 (163)
Laboratory compaction temperature: 300 (149)

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

Tests on Asphalt Cement table with columns: Test Name, Found. Row: Specific Gravity @ 77 ° F, 1.0100.

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

Tests on Compressed Mixtures table with columns: %AC, Gmb, Gmm, % Density of Gmm, % Density Required, % VMA, % VMA Required, % VFA, % VFA Required. Also includes Dust Prop. and ITS (PSI) values.

Hamburg Rut Test Depth (mm) 3.43 12.50 max. @ 15,000 cycles

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

Comments:

Last Modified By: Smith, Jerry D. jsmith Date: 4/27/2018 (User Name and User ID) (mm/dd/yyyy)