



Oklahoma Department of Transportation Mix Design Report

Asphalt Concrete, Type S4 (PG 64-22 OK) Mat'l. Code: asco012

Insoluble ID: I1

(Material Full Name and Material Code)

(Design Type and Design Type ID)

APAC-Oklahoma P/S # m00552

S4qc0061401700

(Producer/Supplier Name and Producer/Supplier Code)

(Mix ID)

APAC Central #04053 (Tulsa, OK) - 600TPH PLANT ID # m00552-07

(Plant Name and Plant ID)

Table with 3 columns: Aggregate, Producer/Supplier, % USED. Lists materials like 3/4" Chips, 1/2" Chips, Man. Sand, Scrns., Mine Chat, Sand with their respective suppliers and usage percentages.

Asphalt Cement:

Asphaltic Cement Type PG 64-22 OK, acem003, HollyFrontier (Catoosa, OK), m01028

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

Main sieve analysis table with columns for Sieve Size, various aggregate types, and test results (JMF, Min, Max, Tol). Includes a note: 'Requires Form 93-E0 signed by the Department for production use. -Oklahoma D.O.T. Materials-'.

Required

Mix temperature @ discharge from mixer: 305 (152) ± 20 °F (± 10 °C)
Optimum roadway compaction temperature: 290 (143)
Laboratory mixing temperature: 325 (163)
Laboratory compaction temperature: 300 (149)

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

Tests on Asphalt Cement table with columns: Tests on Asphalt Cement, Found. Shows Specific Gravity @ 77 ° F as 1.0100.

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

Tests on Compressed Mixtures table with columns: %AC, Gmb, Gmm, % Density, % Density Required, % VMA, % VMA Required, % VFA, % VFA Required. Shows design and field data for 4.8, 5.3, and 5.8 %AC.

ITS (PSI) and Dust Prop. table. Shows ITS (PSI) 129.1 and Dust Prop. 1.3, 1.1, 1.0.

Hamburg Rut Test Depth (mm) 7.13 12.50 max. @ 10,000 cycles

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

Comments:

Last Modified By: Schratwieser, Edward P. eschrato (User Name and User ID)

Date: 12/11/2014 (mm/dd/yyyy)