



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)

Overland Corp P/S # m00433

S3pv0261801000

(Producer/Supplier Name and Producer/Supplier Code)

(Mix ID)

Overland Corp #Astec-4 (Portable) - 400TPH PLANT ID # m00433-05

(Plant Name and Plant ID)

Table with 3 columns: Aggregate, Producer/Supplier, % USED. Rows include #67 Rock, 5/8" Chips, 3/16" Scrns., Man. Sand, Sand (Unlisted Source), Fine R.A.P.

Asphalt Cement:

Asphaltic Cement Type PG 70-28 OK, acem002, Valero (Ardmore, OK), m00352
(Material Full Name, Material Code, Producer/Supplier Name, Producer/Supplier Code)

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

Temperature requirements table: °F (°C) Required. Rows: Mix temperature @ discharge from mixer, Optimum roadway compaction temperature, Laboratory mixing temperature, Laboratory compaction temperature.

Tests on Asphalt Cement table: Specific Gravity @ 77 °F = 1.0100

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

Tests on Aggregates table: Contabro, Durability Index, F.A.A. %U, Flat and Elongated, Fractured Faces, Insoluble Residue, LA Abrasion, Micro-Deval, Permeability, Sand Equivalent, IOC, Gse, Gsb, Specimen Weight.

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

Dust Prop. table: Values for 1.2, 1.1, 1.0.

Dust Prop. Req. 0.6 - 1.6

ITS (PSI) 108.2 N/A min. TSR 0.82 0.80 / 0.75 min. (Design / Field) Compacted Wt. (lbs/sy/1" thick) = 110.1 @ 4.6 % Asphalt Cement 3.8 % New Asphalt Cement

Hamburg Rut Test Depth (mm) 2.44 12.50 max. @ 15,000 cycles

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

Comments: [Empty box]

Last Modified By: Smith, Jerry D. jsmith (User Name and User ID)

Date: 9/20/2018 (mm/dd/yyyy)