Version: V03.50

Oklahoma Department of Transportation Mix Design Report

Asphalt Concrete, UTBWC, Type C Mat'l. Code: asco038
(Material Full Name and Material Code)

Insoluble ID: I1
(Design Type and Design Type ID)

Cornell Const Co P/S # m00309
(Producer/Supplier Name and Producer/Supplier Code)

U3qc0361800200
(Mix ID)

Cornell Const Co (Portable) - 400TPH PLANT ID # m00309-01
(Plant Name and Plant ID)

Aggregate	Producer/Supplier	% USED
5/8" Chips	Martin-Marietta (Snyder, OK) P/S # m002323802	64
Scrns.	Martin-Marietta (Snyder, OK) P/S # m002323802	36

Asphalt Additive, Anti-Strip: PAVEGRIP 519 addi003 Pre Tech Industries m00705
(Product Name, Material Code, Producer/Supplier Name, Producer/Supplier Code)

Asphalt Cement: Asphaltic Cement Type PG 76-28 OK, acem001, Coastal Energy (Clinton, OK), m01042
(Material Full Name, Material Code, Producer/Supplier Name, Producer/Supplier Code)

Requires Form 93-E0 signed by the Department for production use.
-Oklahoma D.O.T. Materials-

Producer/Supplier:	Martin-Marietta (Snyder, OK) P/S # m002323802	Martin-Marietta (Snyder, OK) P/S # m002323802											
Sieve Size	5/8" Chips	Scrns.							Comb. Agg.	JMF	Min.	Max.	% Tol. (±)
3/4 in (19 mm)	100	100							100	100			
1/2 in (12.5 mm)	91	100							94	94	89	99	5
3/8 in (9.5 mm)	65	100							78	78			
#4 (4.75 mm)	8	91							38	38	34	42	4
#8 (2.36 mm)	3	70							27	27	23	31	4
#16 (1.18 mm)	2	48							19	19			
#30 (.600 mm)	2	33							13	13			
#50 (.300 mm)	2	23							10	10			
#100 (.150 mm)	1	15							6	6			
#200 (.075 mm)	0.8	12.0							5.0	5.0	4.0	6.0	1.0
AC Content %									4.6	4.6	4.3	4.9	0.3
Asphalt Additive, Anti-Strip %									0.5				

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

Tests on Asphalt Cement	Found
Specific Gravity @ 77 ° F	1.0100

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Tests on Aggregates		Required		Units
Contabro		N/A		%
F.A.A. %U	45	40	min.	%
Flat and Elongated	0	22	max.	%
Fractured Faces	100/100	100/85	min.	%
Insoluble Residue	98.8	65	min.	%
LA Abrasion	20	35	max.	%
Micro-Deval	3.4	18	max.	%
Sand Equivalent	71	45	min.	%
IOC	0.14			%
Gse	2.628			
Gsb	2.602			

TSR 0.85 0.80 max. (Design)

Compacted Wt. (lbs/sy/1" thick) = 107.7 @ 4.6 % Asphalt Cement

Drain-down(%)= 0.02 0.10 max.

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

Comments:

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

Date: 7/27/2018
(mm/dd/yyyy)