



Asphalt Concrete, Type S3 (PG 64-22 OK) Mat'l. Code: asco009  
(Material Full Name and Material Code)

Binder - Recycled ID: B2  
(Design Type and Design Type ID)

Haskell LEMON Const Co (Asphalt) P/S # m00428  
(Producer/Supplier Name and Producer/Supplier Code)

S3qc0131601400  
(Mix ID)

Haskell LEMON (West OKC, OK) - 450TPH PLANT ID # m00428-01  
(Plant Name and Plant ID)

Aggregate	Producer/Supplier	% USED
1" Rock	Dolese Co (Davis, OK) P/S # m002745002	34
Man. Sand	Martin-Marietta (Davis, OK) P/S # m002285005	15
C-33 Scrns.	Martin-Marietta (Snyder, OK) P/S # m002323802	16
Sand (Unlisted Source)	General Materials (MacArther Pit) OKC,OK	10
Fine R.A.P.	Contractor / Project Site P/S # Contractor	25
<b>Asphalt Cement:</b> Asphaltic Cement Type PG 64-22 OK, acem003, Valero (Ardmore, OK), m00352 (Material Full Name, Material Code, Producer/Supplier Name, Producer/Supplier Code)		

Sieve Size	Producer/Supplier:						Comb. Agg.	Tol. (%)							
	Dolese Co (Davis, OK) P/S # m002745002	Martin-Marietta (Davis, OK) P/S # m002285005	Martin-Marietta (Snyder, OK) P/S # m002323802	General Materials (MacArther Pit) OKC, OK	Contractor / Project Site P/S # Contractor	1" Rock		Man. Sand	C-33 Scrns.	Sand (Unlisted Source)	Fine R.A.P.	JMF	Min.	Max.	% Tol. (±)
1 in (25 mm)	100	100	100	100	100	100	100	100	100	100	100	100	100	0	
3/4 in (19 mm)	91	100	100	100	100	100	97	97	90	100	7	97	90	100	7
1/2 in (12.5 mm)	57	100	100	100	100	100	85	85	78	92	7	85	78	92	7
3/8 in (9.5 mm)	37	100	100	100	100	100	79	79	72	86	7	79	72	86	7
#4 (4.75 mm)	9	94	97	100	94	94	66	66	59	73	7	66	59	73	7
#8 (2.36 mm)	3	57	76	99	64	64	48	48	43	53	5	48	43	53	5
#16 (1.18 mm)	2	31	50	96	47	47	35	35	31	39	4	35	31	39	4
#30 (.600 mm)	2	18	32	88	38	38	27	27	23	31	4	27	23	31	4
#50 (.300 mm)	2	10	17	66	28	28	19	19	15	23	4	19	15	23	4
#100 (.150 mm)	2	6	7	24	15	15	9	9	6	12	3	9	6	12	3
#200 (.075 mm)	1.6	4.2	3.5	3.7	8.4	8.4	4.2	4.2	2.2	6.2	2	4.2	2.2	6.2	2
AC Content %					5.4	5.4	4.3	4.3	3.9	4.7	0.4	4.3	3.9	4.7	0.4

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

°F (°C) **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 Asphalt Cement	Found
Specific Gravity @ 77 ° F	1.0100

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Tests on Compressed Mixtures (@ Design AC)			
	% Density		
	# Gyr.	of Gmm	% Density Required
Nini	6	90.7	85.5 - 91.5
Ndes	50		96.0

Tests on Aggregates	Required	Units
Durability Index	75	40 min. %
F.A.A. %U		N/A %
Flat and Elongated	0	10 max. %
Fractured Faces	100/100	85/80 min. %
Insoluble Residue		N/A %
LA Abrasion	27	40 max. %
Micro-Deval	16.2	N/A %
Permeability	4.6	12.5 max. 10 <sup>-5</sup> cm/s
Sand Equivalent	87	40 min. %
IOC	0.31	%
Gse	2.674	
Gsb	2.650	
Specimen Weight	4875	g

Tests on Compressed Mixtures							
%AC	Gmb	Gmm	% Density		% VMA	% VMA Required	% VFA
			of Gmm	% Density Required			
3.8	2.378	2.516	94.5	Design / Field	13.7	Design / Field	59.9
4.3	2.396	2.497	96.0	96.0 / 94.5 - 97.4	13.5	13.5 / 13.0	70.4
4.8	2.413	2.478	97.4		13.3		70 - 75

ITS (PSI) 103.5 N/A min.  
 TSR 0.80 0.80 / 0.75 min. (Design / Field)  
 Compacted Wt. (lbs/sy/1" thick) = 109.9 @ 4.3 % Asphalt Cement  
2.9 % New Asphalt Cement

Hamburg Rut Test Depth (mm) 5.51 12.50 max. @ 10,000 cycles  
 MEETS SPECIFICATION REQUIREMENTS PER SPECIAL PROVISION 708-26(a-f) 09

Comments: \_\_\_\_\_

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

Date: 8/24/2016  
 (mm/dd/yyyy)