



Density of Asphalt

Client:

Project:

Hodgen Settlers Ranch LLC
 PO Box 1488
 Monument, CO 80132

230662
 Settlers Ranch F3
 Settlers Ranch F3
 Colorado Springs, CO

Entech Engineering
 505 Elkton Dr.
 Colorado Springs, CO 80907
 Phone: 719-531-5599

Test Results

Test #	Test Date	Test Location	Lift Thickness (inches)	Mix Design	Max Density (pcf)	In Place Density (pcf)	Percent Comp.	Min/Max Comp. (%)	Rem. Code	Field Tech	Retest Of
1	11/10/2025	Bottom Lift, Drive Lane: STA 22 + 00 on Boundary Basin Ct., northbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.1	94	92 / 96	SP	MS	
2	11/10/2025	Bottom Lift, Drive Lane: STA 20 + 00 on Boundary Basin Ct., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	144.7	95	92 / 96	SP	MS	
3	11/10/2025	Bottom Lift, Drive Lane: STA 18 + 00 on Boundary Basin Ct., northbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.0	94	92 / 96	SP	MS	
4	11/10/2025	Bottom Lift, Drive Lane: STA 16 + 00 on Boundary Basin Ct., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.7	95	92 / 96	SP	MS	
5	11/10/2025	Bottom Lift, Drive Lane: STA 14 + 00 on Boundary Basin Ct., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.4	94	92 / 96	SP	MS	
6	11/10/2025	Bottom Lift, Drive Lane: STA 12 + 00 on Boundary Basin Ct., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.1	94	92 / 96	SP	MS	
7	11/10/2025	Bottom Lift, Joint: STA 11 + 00 on Boundary Basin Ct., longitudinal joint.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.5	94	92 / 96	SP	MS	
8	11/10/2025	Bottom Lift, Drive Lane: STA 50 + 50 on Settlers Ranch Rd., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	141.8	93	92 / 96	SP	MS	
9	11/10/2025	Bottom Lift, Drive Lane: STA 52 + 50 on Settlers Ranch Rd., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	144.1	95	92 / 96	SP	MS	
10	11/10/2025	Bottom Lift, Drive Lane: STA 54 + 00 on Settlers Ranch Rd., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.0	94	92 / 96	SP	MS	
11	11/10/2025	Bottom Lift, Drive Lane: STA 56 + 00 on Settlers Ranch Rd., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.1	94	92 / 96	SP	MS	
12	11/10/2025	Bottom Lift, Drive Lane: STA 58 + 00 on Settlers Ranch Rd., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.1	94	92 / 96	SP	MS	



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13	11/10/2025	Bottom Lift, Drive Lane: STA 60 + 00 on Settlers Ranch Rd., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.0	93	92 / 96	SP	MS	
14	11/10/2025	Bottom Lift, Drive Lane: STA 62 + 00 on Settlers Ranch Rd., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.5	94	92 / 96	SP	MS	
15	11/11/2025	Top Lift, Drive Lane: STA 22 + 00 on Boundary Basin Ct., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.2	94	92 / 96	SP	MS	
16	11/11/2025	Top Lift, Joint: STA 20 + 00 on Boundary Basin Ct., southbound lane (transverse joint).	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.3	94	92 / 96	SP	MS	
17	11/11/2025	Top Lift, Drive Lane: STA 18 + 00 on Boundary Basin Ct., northbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.7	95	92 / 96	SP	MS	
18	11/11/2025	Top Lift, Drive Lane: STA 16 + 00 on Boundary Basin Ct., southbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	144.1	95	92 / 96	SP	MS	
19	11/11/2025	Top Lift, Drive Lane: STA 14 + 00 on Boundary Basin Ct., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.6	95	92 / 96	SP	MS	
20	11/11/2025	Top Lift, Drive Lane: STA 12 + 00 on Boundary Basin Ct., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	141.8	93	92 / 96	SP	MS	
21	11/11/2025	Top Lift, Drive Lane: STA 10 + 50 on Boundary Basin Ct., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.3	94	92 / 96	SP	MS	
22	11/11/2025	Bottom Lift, Drive Lane: STA 72 + 00 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	141.8	93	92 / 96	SP	MS	
23	11/11/2025	Bottom Lift, Drive Lane: STA 70 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.3	94	92 / 96	SP	MS	
24	11/11/2025	Bottom Lift, Drive Lane: STA 68 + 00 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.0	94	92 / 96	SP	MS	
25	11/11/2025	Bottom Lift, Drive Lane: STA 66 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.2	94	92 / 96	SP	MS	



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26	11/11/2025	Bottom Lift, Drive Lane: STA 64 + 00 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.9	94	92 / 96	SP	MS	
27	11/11/2025	Bottom Lift, Drive Lane: STA 62 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	141.4	93	92 / 96	SP	MS	
28	11/11/2025	Bottom Lift, Drive Lane: STA 60 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.6	94	92 / 96	SP	MS	
29	11/11/2025	Bottom Lift, Drive Lane: STA 58 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.1	94	92 / 96	SP	MS	
30	11/12/2025	Bottom Lift, Drive Lane: STA 51 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.1	93	92 / 96	SP	MS	
31	11/12/2025	Bottom Lift, Drive Lane: STA 53 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.0	93	92 / 96	SP	MS	
32	11/12/2025	Bottom Lift, Drive Lane: STA 55 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.3	93	92 / 96	SP	MS	
33	11/12/2025	Bottom Lift, Drive Lane: STA 57 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.0	93	92 / 96	SP	MS	
34	11/12/2025	Top Lift, Drive Lane: STA 72 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.8	93	92 / 96	SP	MS	
35	11/12/2025	Top Lift, Drive Lane: STA 70 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	144.2	94	92 / 96	SP	MS	
36	11/12/2025	Top Lift, Drive Lane: STA 68 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	141.8	93	92 / 96	SP	MS	
37	11/12/2025	Top Lift, Drive Lane: STA 66 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.3	93	92 / 96	SP	MS	
38	11/12/2025	Top Lift, Drive Lane: STA 64 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	144.5	94	92 / 96	SP	MS	



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39	11/12/2025	Top Lift, Drive Lane: STA 62 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	144.9	95	92 / 96	SP	MS	
40	11/12/2025	Top Lift, Drive Lane: STA 60 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	144.8	95	92 / 96	SP	MS	
41	11/12/2025	Top Lift, Drive Lane: STA 58 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.8	94	92 / 96	SP	MS	
42	11/12/2025	Top Lift, Drive Lane: STA 56 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.8	94	92 / 96	SP	MS	
43	11/12/2025	Top Lift, Drive Lane: STA 54 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	145.3	95	92 / 96	SP	MS	
44	11/12/2025	Top Lift, Drive Lane: STA 52 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	144.7	94	92 / 96	SP	MS	
45	11/12/2025	Top Lift, Drive Lane: STA 50 + 50 on Settlers Ranch Rd., westbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	144.2	94	92 / 96	SP	MS	
46	11/13/2025	Top Lift, Drive Lane: STA 72 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.8	94	92 / 96	SP	MS	
47	11/13/2025	Top Lift, Drive Lane: STA 70 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	141.8	93	92 / 96	SP	MS	
48	11/13/2025	Top Lift, Drive Lane: STA 68 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.4	93	92 / 96	SP	MS	
49	11/13/2025	Top Lift, Drive Lane: STA 66 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	141.9	93	92 / 96	SP	MS	
50	11/13/2025	Top Lift, Drive Lane: STA 64 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.8	94	92 / 96	SP	MS	
51	11/13/2025	Top Lift, Drive Lane: STA 62 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	141.5	92	92 / 96	SP	MS	



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52	11/13/2025	Top Lift, Drive Lane: STA 60 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.9	93	92 / 96	SP	MS	
53	11/13/2025	Top Lift, Drive Lane: STA 58 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.6	94	92 / 96	SP	MS	
54	11/13/2025	Top Lift, Drive Lane: STA 56 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	142.8	93	92 / 96	SP	MS	
55	11/13/2025	Top Lift, Drive Lane: STA 54 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.3	94	92 / 96	SP	MS	
56	11/13/2025	Top Lift, Drive Lane: STA 52 + 00 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.3	94	92 / 96	SP	MS	
57	11/13/2025	Top Lift, Drive Lane: STA 50 + 50 on Settlers Ranch Rd., eastbound lane.	2.0	(1/2") SP75 PG 58-28 20% RAP	152.8	143.4	94	92 / 96	SP	MS	

Remarks

SP : Supplied Density Pass

Comments

Tests are determined using backscatter method.

12/08/2025

Reviewed by: Joey Goode, PE