



Source / Location	Contact Information	Rock Classification: Basalt
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AASHTO T-27 Sieve Analysis of Fine and Coarse Aggregate												
% Passing	3/4" Blend	7/16"	5/16"	Dense Grade (R)	TRG	Dense Grade (G)	1 1/2"	3/4"	1/2"	3/8"	Fines	Sand Delta
2"	100	100	100	100	100	100	100	100	100	100	100	100
1 1/2"	100	100	100	99	100	100	93	100	100	100	100	100
1"	100	100	100	85	100	86	32	100	100	100	100	100
3/4"	88	100	100	74	95	81	5	95	100	100	100	100
1/2"	67	100	100	59	93	73	4	19	93	100	100	100
3/8"	36	94	100	52	87	68	3	2	28	95	100	100
#4	5	6	22	38	62	53	2	2	2	25	98	93
#8	2	1	1	29	38	35	1	1	1	2	73	77
#16	1	-	1	22	25	21	-	-	-	1	47	57
#30	1	-	-	21	17	14	-	-	-	-	32	32
#50	1	-	-	13	10	9	-	-	-	-	22	12
#100	1	-	-	8	6	6	-	-	-	-	15	5
#200	0.5	-	-	6	5	4	-	-	-	-	9	2

ASTM D-1557 Method C	Proctor	143.0	134.4	142.0
	Opt. Mc.	5.8	10.0	6.6

FM =	3.1	3.2
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AASHTO T-84 (Fine Aggregate)	Bulk Specific Gravity	2.833	2.830	2.834	2.832	2.752	2.586
	Specific Gravity (SSD)	2.854	2.861	2.875	2.866	2.808	2.638
AASHTO T-85 (Coarse Aggregate)	Apparent Specific Gravity	2.895	2.894	2.941	2.931	2.916	2.727
	Absorption	0.75%	0.98%	1.03%	1.19%	1.44%	1.98%

ASTM D-5821	Fractured Particles (1 face / 2 face)	100%	100%	100%	100%	-	-
ASTM D-4791	Flat / Elongated	1%	2%	3%	10%	-	-
AASHTO T-304	Uncompacted Voids	-	-	-	-	47.5%	42.2%
AASHTO T-176	Sand Equivalent	-	-	-	-	64%	80%
AASHTO T-19	Dry Rodded Unit Wt. (lbs./cu.ft)	106.4	105.2	102.4	100.8	117.0	108.0

AASHTO T-96 Resistance to Abrasion of Small Size Coarse Aggregate by use of Los Angeles Abrasion Machine					
Grading	B	Revolutions	500	Percent Loss (Average)	11.0