



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	94	100	100	100	100	100
1"	100	100	100	80	100	86	40	100	100	100	100	100
3/4"	88	100	100	65	100	80	11	95	100	100	100	100
1/2"	74	100	100	55	97	72	2	25	91	100	100	100
3/8"	42	95	100	50	88	66	1	3	31	95	100	100
#4	6	6	45	35	57	53	1	2	2	28	98	95
#8	2	1	5	24	37	35	1	1	1	3	73	83
#16	1	-	1	19	26	21	-	-	-	2	47	61
#30	1	-	-	14	17	15	-	-	-	-	32	30
#50	1	-	-	10	12	10	-	-	-	-	22	9
#100	1	-	-	8	9	7	-	-	-	-	15	4
#200	0.5	-	-	5	6	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	2.845	2.814	2.792	2.788	2.746	2.638
	Specific Gravity (SSD)	2.871	2.847	2.833	2.837	2.788	2.671
AASHTO T-85 (Coarse Aggregate)	Apparent Specific Gravity	2.921	2.909	2.911	2.930	2.868	2.729
	Absorption	0.91%	1.16%	1.47%	1.74%	1.60%	1.30%

ASTM D-5821	Fractured Particles (1 face / 2 face)	100%	100%	100%	100%	-	-
ASTM D-4791	Flat / Elongated	1%	1%	1%	6%	-	-
AASHTO T-304	Uncompacted Voids	-	-	-	-	49.3%	43.3%
AASHTO T-176	Sand Equivalent	-	-	-	-	54%	80%
AASHTO T-19	Dry Rodded Unit Wt. (lbs./cu.ft)	98.8	101.4	100.8	97.2	117.6	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)	10.0